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in black type, or
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* insert full name
of Company

COMPANIES FORM No. 395

Particulars of a mortgage or charge

A fee of £13 is payable to Companies House in respect of each register entry for a mortgage or charge.

Pursuant to section 395 of the Companies Act 1985

To the Registrar of Companies
(Address overleaf - Note 6)

Name of company

* Ineos Silicas Limited (the "Charging Company")

Date of creation of the charge

16 December 2005

Description of the instrument (if any) creating or evidencing the charge (note 2)

Debenture dated 16 December 2005 (the "Debenture") between, inter alios, the Charging Company and Barclays Bank PLC as security agent (the "Security Agent")

Amount secured by the mortgage or charge

Please refer to Part 2 of the attached Continuation Sheet.

Please refer to Part 1 of the Continuation Sheet for definitions.

Names and addresses of the mortgagees or persons entitled to the charge

Barclays Bank PLC, 1 Churchill Place, London

Postcode E14 5HP

Presentor's name address and
reference (if any) :

Shearman & Sterling (London)
LLP, Broadgate West, 9 Appold
Street, London EC2A 2AP

Time critical reference

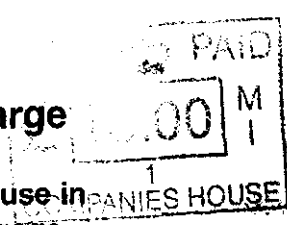
For official Use (06/2005)
Mortgage Section

Post room



LD4
COMPANIES HOUSE

467
23/12/2005



395

034069 | 351

For official use

Company number

48745

Short particulars of all the property mortgaged or charged

Please refer to Part 3 of the attached Continuation Sheet.

Part 4 of the attached Continuation Sheet contains covenants by and restrictions on the Charging Company which protect and further define the Security Interests created by the Debenture and which must be read as part of those Security Interests.

N.B. Please refer to Part 1 of the attached Continuation Sheet for definitions.

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Particulars as to commission allowance or discount (note 3)

Nil

Signed Shearman & Sterling LLP Date 23 December, 2005 ✓

On behalf of [signature] (mortgagee/chargee)

A fee is payable to Companies House in respect of each register entry for a mortgage or charge. (See Note 5)

† delete as appropriate

Notes

- 1 The original instrument (if any) creating or evidencing the charge, together with these prescribed particulars correctly completed must be delivered to the Registrar of Companies within 21 days after the date of creation of the charge (section 395). If the property is situated and the charge was created outside the United Kingdom delivery to the Registrar must be effected within 21 days after the date on which the instrument could in due course of post, and if dispatched with due diligence, have been received in the United Kingdom (section 398). A copy of the instrument creating the charge will be accepted where the property charged is situated and the charge was created outside the United Kingdom (section 398) and in such cases the copy must be verified to be a correct copy either by the company or by the person who has delivered or sent the copy to the registrar. The verification must be signed by or on behalf of the person giving the verification and where this is given by a body corporate it must be signed by an officer of that body. A verified copy will also be accepted where section 398(4) applies (property situate in Scotland or Northern Ireland) and Form No. 398 is submitted.
- 2 A description of the instrument, eg "Trust Deed", "Debenture", "Mortgage", or "Legal charge", etc, as the case may be, should be given.
- 3 In this section there should be inserted the amount or rate per cent. of the commission, allowance or discount (if any) paid or made either directly or indirectly by the company to any person in consideration of his:
 - (a) subscribing or agreeing to subscribe, whether absolutely or conditionally, or
 - (b) procuring or agreeing to procure subscriptions, whether absolute or conditional,for any of the debentures included in this return. The rate of interest payable under the terms of the debentures should not be entered.
- 4 If any of the spaces in this form provide insufficient space the particulars must be entered on the prescribed continuation sheet.
- 5 A fee of £13 is payable to Companies House in respect of each register entry for a mortgage or charge. Cheques and Postal Orders are to be made payable to **Companies House**.
- 6 The address of the Registrar of Companies is: Companies House, Crown Way, Cardiff CF14 3UZ

Continuation Sheets to Form 395

PART 1

Definitions

In this form 395, so far as the context admits, the following expressions have the following meanings:

"Account Bank" means any bank or financial institution with which the Charging Company maintains a bank account;

"Acquisition Documents" has the meaning given to that term in the Senior Facilities Agreement;

"Administrator" means an administrator appointed under Schedule B1 of the Insolvency Act 1986;

"Assigned Agreements" means the Acquisition Documents, the Reports, the Hedging Agreements, the Insurances, the Credit Support Deed, the Master Bilateral Netting Deed, any guarantee entered into in favour of any Group Company in accordance with the Credit Support Deed, the Credit Support Side Letter and the Assigned Intercompany Loan Agreements;

"Assigned Intercompany Loan Agreements" means:

- (a) the Intercompany Loan Agreements; and
- (b) any other loan entered into by the Charging Company with any other Group Company from time to time;

"Book Debts" means all book and other debts and monetary claims;

"BP Collateral Agent" means BP International Limited as collateral agent for the BP Creditors;

"BP Creditors" has the meaning given to it in the Intercreditor Deed;

"BP Party" has the meaning given to that term in the Credit Support Deed;

"Business Day" has the meaning given to that term in the Senior Facilities Agreement;

"Cash Collateral Account" has the meaning given to that term in the Senior Facilities Agreement;

"Charged Contract" means any instrument or agreement that is charged under Clause 3.1 (xi) (*Fixed Charge*) of the Debenture;

"Charged Property" means the assets mortgaged, charged or assigned to the Security Agent by the Debenture;

"Completion Date" has the meaning given to that term in the Senior Facilities Agreement;

"Credit Support Deed" has the meaning given to that term in the Senior Facilities Agreement;

"Credit Support Side Letter" has the meaning give to that term in the Senior Facilities Agreement;

"Credit Support Documents" has the meaning given to that term in the Senior Facilities Agreement;

"Declared Default" means an Event of Default which is continuing in respect of which the Security Agent has given notice of intention to enforce pursuant to Clause 16.2 (*Notice of Intention to Enforce*) of the Intercreditor Deed;

"Distribution Rights" means all dividends, distributions and other income paid or payable on an Investment or Subsidiary Share, together with all shares or other property derived from that Investment or Subsidiary Share and all other allotments, accretions, rights, benefits and advantages of all kinds accruing, offered or otherwise derived from or incidental to that Investment or Subsidiary Share (whether by way of conversion, redemption, bonus, preference, option or otherwise);

"Excluded Company" has the meaning given to that term in the Senior Facilities Agreement;

"Excluded Contract" means an agreement or other instrument (including those requiring the consent of any third party) the terms of which either preclude absolutely or unconditionally the Charging Company from creating any charge over its interest charging in that Charged Contract;

"Excluded Property" means any leasehold property held by the Charging Company under a lease the terms of which either preclude absolutely the Charging Company from creating any charge over its leasehold interest in such property or require the consent of any third party to the creation of such charge and such consent shall not have been previously obtained;

"Event of Default" has the meaning given to that term in the Senior Facilities Agreement;

"Floating Charge Asset" means an asset charged under Clause 3.2 (*Floating charge*) of the Debenture;

"Group" means the Parent and its Subsidiaries from time to time and the Target and its Subsidiaries from time to time (excluding for all purposes any Excluded Company);

"Group Company" has the meaning given to that term in the Senior Facilities Agreement;

"Guaranteed Agreement" has the meaning given to it in the Ineos Holdings Guarantee;

"Hedging Agreements" has the meaning given to that term in the Senior Facilities Agreement;

"Ineos Holdings Guarantee" means the guarantee to be entered into by the Principal Obligor in favour of the BP Creditors on the Completion Date in the agreed form (and any replacement thereof in accordance with the terms of the Credit Support Documents);

"Insurances" means all policies of insurance and all proceeds of them either now or in the future held by, or written in favour of, the Charging Company or in which it is otherwise interested, but excluding any third party liability or public liability insurance and any directors and officers insurance;

"Intellectual Property" means the Intellectual Property Rights owned or used by the Charging Company throughout the world or the interests of any Charging Company in any of those Intellectual Property Rights, together with the benefit of all agreements entered into or the benefit of which is enjoyed by the Charging Company relating to the use or exploitation of any of those Intellectual Property Rights;

"Intellectual Property Rights" means all patents and patent applications, trade and service marks and trade and service mark applications (and all goodwill associated with any such registrations and applications), all brand and trade names, all copyrights and rights in the nature of copyright, all design rights, all registered designs and applications for registered designs, all inventions, all trade secrets, all know-how and all other intellectual property rights throughout the world;

"Intercompany Loan Agreements" has the meaning given to that term in the Senior Facilities Agreement;

"Intercreditor Deed" means the intercreditor deed dated 16 december 2005 between, inter alios, Ineos Group Limited, Ineos Investment Holdings Limited and Ineos Intermediate Holdings Limited as subordinated creditors, Ineos Group Holdings plc as high yield note issuer, Ineos Holdings Limited and certain of its subsidiaries as obligors, BP International Limited as BP collateral agent, Barclays Bank PLC as high yield bridge agent and Barclays Bank PLC as senior facility agent and senior security agent;

"Investment" means any negotiable instrument, certificate of deposit, debenture, share or other investment (as defined in part II of Schedule 2 to the Financial Services and Markets Act 2000 as at the date of the Debenture) owned (now or in the future) by the Charging Company (including, unless the context otherwise requires, the Subsidiary Shares);

"Lender" has the meaning given to that term in the Senior Facilities Agreement;

"Master Bilateral Netting Deed" has the meaning given to that term in the Senior Facilities Agreement;

"Obligor" has the meaning given to that term in the Senior Facilities Agreement;

"Parent" means Ineos Group Limited a company incorporated in England and Wales with registered number 3534631;

"Principal Obligor" means Ineos Holdings Limited a company incorporated in England and Wales with registered number 4215887;

"Receiver" means a receiver or receiver and manager or administrative receiver of the whole or any part of the Charged Property;

"Reports" has the meaning given to that term in the Senior Facilities Agreement;

"Scheduled Intellectual Property" means the Intellectual Property Rights listed against the Charging Company's name in Schedule 4 to this Continuation Sheet;

"Scheduled Property" means the property listed against the Charging Company's name in Schedule 1 to this Continuation Sheet;

"Scheduled Relevant Accounts" means the accounts listed against the Charging Company's name in Schedule 2 to this Continuation Sheet;

"Scheduled Subsidiary Shares" means the shares held by the Charging Company in its Subsidiaries listed against its name in Schedule 3 to this Continuation Sheet;

"Secured Parties" means the Senior Finance Parties, the BP Collateral Agent and the BP Creditors;

"Security Agent" means Barclays Bank PLC as agent and security trustee for the Senior Creditors (as defined in the Intercreditor Deed) for the purposes of the Security Documents and the Intercreditor Deed or such other security trustee as may be appointed under the Intercreditor Deed to hold the whole or any part of the security created by the Security Documents in accordance with the terms of the Senior Finance Documents;

"Security Documents" has the meaning given to that term in the Senior Facilities Agreement;

"Security Interest" means any mortgage, charge (fixed or floating), pledge, lien, hypothecation, right of set-off, security trust, assignment by way of security, reservation of title, any other security interest or any other agreement or arrangement (including a sale and repurchase arrangement) having the commercial effect of conferring security;

"Senior Facilities Agreement" means the credit agreement dated 14 December 2005 under which certain Lenders have made available up to EUR 4,690,000,000 and US\$ 2,494,000,000 of facilities to certain Group Companies (as amended and restated from time to time);

"Senior Finance Documents" has the meaning given to that term in the Senior Facilities Agreement;

"Senior Finance Parties" has the meaning given to that term in the Senior Facilities Agreement;

"Subsidiary" has the meaning given to that term in the Senior Facilities Agreement;

"Subsidiary Shares" means all shares owned (now or in the future) by the Charging Company in its Subsidiaries, including the Scheduled Subsidiary Shares;

"Target" has the meaning given to that term in the Senior Facilities Agreement; and

"Underlying Agreements" means any agreement between inter alia any BP Party and the Charging Company from time to time as the same may be amended from time to time.

PART 2

Amount to be secured by the mortgage or charge

All money or liabilities due, owing or incurred to any Secured Party and/or any Receiver by a Charging Company or any other Group Company under any Senior Finance Document (including, without limitation, under any amendments, supplements or restatements of any Senior Finance Documents however fundamental (to the extent permitted under the Senior Finance Documents) or in relation to any new or increased advances or utilisations) at present or in the future, in any manner whether actual or contingent, matured or unmatured, liquidated or unliquidated, whether incurred solely or jointly with any other person and whether as principal or surety, together with all interest accruing thereon and including all liabilities in connection with any notes, bills or other instruments accepted by any Secured Party and/or any Receiver for or at the request of a Group Company, and all losses incurred by any Secured Party and/or any Receiver in connection with any Senior Finance Document (including, without limitation, under any amendments, supplements or restatements of any Senior Finance Documents however fundamental (to the extent permitted under the Senior Finance Documents) or in relation to any new or increased advances or utilisations (the "**Senior Finance Party Indebtedness**");

and:

all money or liabilities due, owing or incurred to the BP Collateral Agent and/or any BP Creditor by a Charging Company or any other Group Company under any Credit Support Document or Guaranteed Agreement (including without limitation, under any amendments, supplements or restatements of any such Credit Support Document or Guaranteed Agreement in accordance with the terms thereof however fundamental (to the extent permitted under the Senior Finance Documents)) at present or in the future, in any manner whether actual or contingent, matured or unmatured, liquidated or unliquidated, whether incurred solely or jointly with any other person and whether as principal or surety, together with all interest accruing thereon (if any) and all losses incurred by any BP Creditor in connection with the Credit Support Documents or the Guaranteed Agreement (including, without limitation, under any amendments, supplements or restatements of any such Credit Support Document or Guaranteed Agreement however fundamental (to the extent permitted under the Senior Finance Documents)) (the "**Guaranteed Obligations**" and together with the Senior Finance Party Indebtedness, the "**Indebtedness**").

PART 3

Short particulars of all property mortgaged or charged

1. Pursuant to Clause 3.1 (*Fixed Charges*) of the Debenture, the Charging Company as security for the payment of all Indebtedness charged in favour of the Security Agent (for the benefit of the Security Agent and the other Secured Parties) with full title guarantee the following assets, both present and future, from time to time owned by it or in which it has an interest:
 - (a) by way of first legal mortgage, all freehold and leasehold property (including the Scheduled Property) together with all buildings and fixtures (including trade fixtures) on that property;
 - (a) by way of first fixed charge:
 - (i) all the Subsidiary Shares (including the Scheduled Subsidiary Shares) and Investments and all corresponding Distribution Rights;
 - (ii) all other interests (not charged under Clause 3.1(a) (*Fixed charges*)) of the Debenture, in any freehold or leasehold property, the buildings and fixtures (including trade fixtures) on that property, all proceeds of sale derived therefrom and the benefit of all warranties and covenants given in respect thereof and all licences to enter upon or use land and the benefit of all other agreements relating to land;
 - (iii) all plant, machinery, vehicles, computers, office, goods, personal chattels and all other equipment and the benefit of all contracts, licences and warranties relating thereto;
 - (iv) all Book Debts and all rights and claims against third parties and against any security in respect of Book Debts;
 - (v) all monies standing to the credit of its accounts (including the Cash Collateral Accounts and the Scheduled Relevant Accounts) with any bank, financial institution or other person;
 - (vi) all its Intellectual Property Rights (including its Scheduled Intellectual Property);
 - (vii) the benefit of all consents and agreements held by it in connection with the use of any of its assets;
 - (viii) its goodwill and uncalled capital;
 - (ix) if not effectively assigned by Clause 3.3 (*Security assignment*) of the Debenture, all its rights and interests in (and claims under) the Assigned Agreements;
 - (x) any interest, claim or right in each case in respect of a return of surplus assets which it has now or subsequently in respect of any pension fund or plan;
 - (xi) all the rights (including, without limitation, the right to receive compensation) now or subsequently of the Charging Company (not charged under Clause 3.1(b)(i) to 3.1(x) (*Fixed charges*) inclusive of the Debenture or effectively assigned by Clause 3.3 (*Security assignment*) of the Debenture) in respect of (a) joint venture, partnership, distributorship, building or development or similar agreements to which it is a party, (b) any warranty, bond, guarantee, indemnity, Security Interest or letter of credit issued in its favour, and (c) any bill of exchange or any other negotiable instrument held by it; and
 - (xii) all the Underlying Agreements except for the Assigned Agreements.

2. Pursuant to Clause 3.2 (*Floating Charge*) of the Debenture and as further security for the payment of Indebtedness, the Charging Company charged with full title guarantee in favour of the Security Agent (for the benefit of the Security Agent and the other Secured Parties) by way of first floating charge all its present and future assets not otherwise effectively mortgaged by way of first legal mortgage under Clause 3.1 (a) (*Fixed charges*) of the Debenture, charged by way of first fixed charge under Clause 3.1 (b) (*Fixed charges*) of the Debenture or assigned under Clause 3.3 (*Security assignment*) of the Debenture including heritable property and all other assets in Scotland. The floating charge created by the Charging Company under Clause 3.2 (*Floating Charge*) of the Debenture shall:
 - (a) except as otherwise agreed in writing by the Security Agent, rank in priority to any other Security Interest created by a Receiver appointed under the Debenture; and
 - (b) be a qualifying floating charge for the purposes of paragraph 14 of schedule B1 to the Insolvency Act 1986.
3. Pursuant to Clause 3.3 (*Security Assignment*) of the Debenture, as further security for the payment of the Indebtedness the Charging Company assigned absolutely (subject to the right to reassignment on redemption pursuant to Clause 25.7 (*Covenant to Release*)) of the Debenture to the Security Agent all its rights, title and interest in the Assigned Agreements, together with the benefit of all its rights, claims and remedies in respect of such Assigned Agreements. Until the occurrence of a Declared Default, but subject to Clause 8.8 (*Assigned agreements*) of the Debenture, the Charging Company may continue to deal with the counterparties to the relevant Assigned Agreements.
4. Pursuant to Clause 3.4 (*Conversion of floating charge*) of the Debenture, if:
 - (a) a Declared Default has occurred; or
 - (b) the Security Agent is, acting reasonably, of the view that any legal process or execution is being enforced against any Floating Charge Asset or that any Floating Charge Asset is in danger of being seized or otherwise in jeopardy,the Security Agent may, by notice to the Charging Company, (provided that, in respect of any conversion of the Floating Charge under paragraph (b) above, the Security Agent may only specify the Floating Charge Asset in question or the group of assets into which that Floating Charge Asset falls) convert the floating charge created under the Debenture into a fixed charge as regards those assets which it specifies in the notice. The Charging Company shall promptly execute a fixed charge or legal assignment over those assets in the form which the Security Agent requires.
5. Pursuant to Clause 3.5 (*Automatic concession of floating charge*) of the Debenture:
 - (a) notwithstanding any other provision of the Debenture (and without prejudice to the circumstances in which the floating charge created under Clause 3.2 (*Floating Charge*) of the Debenture will crystallise under general law but subject to Clause 3.5(b) of the Debenture):
 - (i) if the Charging Company creates (or purports to create) any Security Interest (except as permitted by the Senior Facilities Agreement or with the prior consent of the Security Agent) on or over any Floating Charge Asset without the prior consent in writing of the Security Agent;
 - (ii) if any third party levies or attempts to levy any distress, attachment, expropriation, sequestration, execution or other legal process against any Floating Charge Asset;
 - (iii) a resolution is passed or a petition is presented for the winding-up or administration in relation to the Charging Company which is not discharged within 14 days (in the case of a winding-up petition) or 5 days (in the case of a petition for an administration order) or in any event before such petition is heard or a resolution is

passed for a creditors' voluntary winding-up or a creditors' voluntary winding-up is commenced; or

- (iv) an Administrator or Receiver is appointed in respect of the Charging Company or the Security Agent receives notice of an intention to appoint an Administrator pursuant to paragraphs 15 or 26 of schedule B1 of the Insolvency Act 1986 in respect of the Charging Company,

the floating charge created under the Debenture will automatically (without notice) and immediately be converted into a fixed charge over the relevant Floating Charge Asset;

- (b) no floating charge created by Clause 3.2 (*Floating Charge*) of the Debenture may be converted into a fixed charge or otherwise crystallise solely by reason of:

- (i) the obtaining of a moratorium by the Charging Company;
- (ii) anything done with a view to obtaining a moratorium,

under section 1A and schedule A1 of the Insolvency Act 1986 as inserted by the Insolvency Act 2000 section 1, schedule 1, paragraphs 1 and 2; and

- (c) any charge which has crystallised under Clause 3.4 (*Conversion of Floating Charge*) of the Debenture or Clause 3.5(a) of the Debenture may be reconverted into a floating charge by notice given at any time by the Security Agent to the Charging Company in relation to the assets specified in such notice.

6. Pursuant to Clause 3.6 (*Fixed and Floating security*) of the Debenture, if for any reason any Security Interest in respect of any asset created or purported to be created pursuant to Clause 3 (*Charging Clause*) of the Debenture as a fixed charge or assignment, does not, or ceases to, take effect as a fixed charge or assignment, then it shall take effect as a first floating charge in respect of such asset. However it is the intent of the parties to the Debenture that the Security Interests over other Charged Property shall remain unaffected.

7. Pursuant to Clause 3.7 (*Leasehold interests containing prohibition on charging*) of the Debenture:

- (a) until the relevant consent has been obtained, there shall be excluded from the charge created by Clause 3.1 (*Fixed charges*) of the Debenture (and from the operation of the further assurance provisions set out in Clause 5 (*Further assurance*) of the Debenture) any leasehold property held by the Charging Company under a lease the terms of which either preclude absolutely the Charging Company from creating any charge over its leasehold interest in such property or require the consent of any third party prior to the creation of such charge and such consent shall not have been previously obtained (each an "**Excluded Property**");
- (b) with regard to each Excluded Property, the Charging Company undertakes to make application for the consent of the relevant third party to the creation of the charge contained in Clause 3.1 (*Fixed charges*) of the Debenture (or to be created pursuant to Clause 5 (*Further assurance*) of the Debenture) within twenty Business Days of the date of the Debenture or, if later, the date of entry into such lease, and to use all reasonable endeavours to obtain such consent as soon as possible and to keep the Security Agent or its solicitors regularly informed of the progress of its negotiations with such third parties; and
- (c) forthwith, upon receipt of the relevant third party's consent as aforesaid, the relevant Excluded Property shall thereupon stand charged to the Security Agent pursuant to the terms of Clause 3.1 (*Fixed charges*) of the Debenture. If required by the Security Agent at any time following receipt of such consent the Charging Company will execute a valid legal mortgage in such form as the Security Agent shall reasonably require.

8. Pursuant to Clause 3.8 (*Intellectual Property Rights restricting charging*) of the Debenture:
- (a) there shall be excluded from the charge created by Clause 3.1 (*Fixed charges*) of the Debenture and from the operation of Clause 5 (*Further assurance*) of the Debenture any Intellectual Property Right in which the Charging Company has an interest under any licence or other agreement which either precludes absolutely or conditionally (including requiring the consent of any third party) the Charging Company from creating any charge over its interest in that Intellectual Property (each an "**Excluded Intellectual Property Right**") until the relevant condition or waiver has been satisfied or obtained;
 - (b) for each Excluded Intellectual Property Right, the Charging Company undertakes to apply for the relevant consent or waiver of prohibition or condition within fourteen days of the date of the Debenture or, if later, the date of acquisition of such Excluded Intellectual Property Right and, in respect of any licence or agreement which provides that the relevant third party will not unreasonably withhold its consent to charging (for this purpose a "**Relevant Intellectual Property Right**"), to use its reasonable endeavours to obtain such consent as soon as possible and to keep the Security Agent informed of the progress of its negotiations or, in any other case, to use all reasonable endeavours to obtain such consent as soon as possible; and
 - (c) forthwith upon receipt of the relevant waiver or consent, the relevant formerly Excluded Intellectual Property Right shall stand charged to the Security Agent under Clause 3.1 (*Fixed charges*) of the Debenture. At any time following receipt of that waiver or consent or, in respect of any Relevant Intellectual Property Right, if earlier, the date falling sixty days after the date of the Debenture, the Charging Company will, if required by the Security Agent, forthwith execute a valid fixed charge or legal assignment in such form as the Security Agent shall require.
9. Pursuant to Clause 3.9 (*Contracts containing prohibition on Charging*) of the Debenture:
- (a) there shall be excluded from the charge created by Clause 3.1 (*Fixed charges*) and from the operation of Clause 5 (*Further Assurance*) of the Debenture, any Charged Contract in which the Charging Company has an interest under any such agreement or other instrument which either precludes absolutely or unconditionally (including requiring the consent of any third party) the Charging Company from creating any charge over its interest charging in that Charged Contract (each an "**Excluded Contract**");
 - (b) for each Excluded Contract, the Charging Company undertakes to use reasonable endeavours to promptly obtain the relevant consent of the relevant third party for such rights to be charged under the Debenture as soon as possible and to keep the Security Agent informed of the progress of its negotiations; and
 - (c) forthwith, upon receipt of the relevant third party's consent as aforesaid, the relevant Excluded Contract shall thereupon be charged to the Security Agent pursuant to the terms of Clause 3.1(xi) (*Fixed charges*) of the Debenture. If required by the Security Agent at any time following receipt of such consent the Charging Company will execute a valid fixed charge or legal assignment in such form as the Security Agent shall reasonably require.
10. Pursuant to Clause 3.10 (*Exceptions to the Security*) of the Debenture, the security created pursuant to this Clause 3 (*Charging Clause*) of the Debenture shall not extend to any asset situated outside England and Wales to the extent that, and for so long as, any such security would be unlawful under the laws of the jurisdiction in which such asset is situated.

PART 4

Covenants and Restrictions

1. Pursuant to Clause 4.1 (*Continuing security*) of the Debenture the security created under the Debenture is to be a continuing security notwithstanding any intermediate payment or settlement of all or any part of the Indebtedness or any other matter or thing.
2. Pursuant to Clause 4.2 (*other security*) of the Debenture the security created under the Debenture is to be in addition and shall neither be merged in nor in any way exclude or prejudice or be affected by any other security, guarantee, or indemnity or other right which the Security Agent and/or any other Secured Party or any other person may now or after the date of the Debenture hold for any of the Indebtedness, and this security may be enforced against the Charging Company without first having recourse to any other rights of the Security Agent or any other Secured Party.
3. Pursuant to Clause 5.1 (*General*) of the Debenture, the Charging Company will, at its own expense, promptly following request by the Security Agent, execute such deeds and other agreements and otherwise take whatever action the Security Agent may reasonably require:
 - (i) to perfect and/or protect the security created (or intended to be created) by the Debenture;
 - (ii) to facilitate the realisation or enforcement of such security;
 - (iii) to facilitate the exercise of any of the Security Agent's rights, powers or discretions under the Debenture;
 - (iv) to confer on the Security Agent security over any assets of the Charging Company (in whatever jurisdiction situated) equivalent or similar to the security intended to be conferred by the Debenture; and/or
 - (v) at any time after the occurrence of a Declared Default that is continuing or if the security created by the Debenture has become enforceable, to confer on the Security Agent a legal fixed charge over Book Debts,

including the conversion of charges to assignments, equitable security to legal security, the execution of any transfer, conveyance, assignment or assurance whatsoever and the giving of all notices, orders, instructions and directions whatsoever.

4. Pursuant to Clause 5.2 (*H.M. Land Registry*) of the Debenture:
 - (a) in relation to real property which is registered at the Land Registry or which is subject to a first registration application at the Land Registry and which is charged by way of legal mortgage under the Debenture situated in England and Wales, the Charging Company covenants to a restriction being entered on the Register of Title of all that real property under the Land Registration Act 2002 in the following terms:

"No disposition of the registered estate by the proprietor of the registered estate or Charge is to be registered without a written consent signed by the proprietor for the time being of the Charge dated [●] in favour of [●] referred to in the Charges Register or if appropriate signed on such proprietor's behalf by its authorised signatory.";
 - (b) subject to the terms of the Senior Facilities Agreement, the Lenders are under an obligation to make further advances to Obligor and the security constituted by the Debenture has been made for securing those further advances. In relation to real property which is registered at the Land Registry and which is charged by way of a legal mortgage under this Debenture which is situated in England or Wales, the Charging Company has agreed to apply for such

obligation to make further advances to be noted on the Register of Title of each such property;
and

- (c) in relation to all real property acquired by the Charging Company at any time following the date of the Debenture and which shall be charged by way of legal mortgage under the Debenture situated in England and Wales, the Charging Company has agreed that it shall, as soon as reasonably practicable following the completion of the acquisition, apply to the Land Registry for a restriction to be entered on the Register of Title to that property in the same form as the restriction set out in Clause 5.2(a) of the Debenture with an application to the Land Registry in the form set out in Clause 5.2(b) of the Debenture.

5. Pursuant to Clause 6 (*Negative Pledge and Disposal Restrictions*) of the Debenture, the Charging Company may not:

- (a) create or agree to create or allow to exist any Security Interest over any part of the Charged Property;
- (b) sell, lease, transfer or otherwise dispose of all or any part of the Charged Property (other than Floating Charge Assets on arm's length terms in the ordinary course of trading) or the right to receive or to be paid the proceeds arising on the disposal of the same, or agree or attempt to do so; or
- (c) dispose of the equity of redemption in respect of all or any part of the Charged Property,

except as permitted by the Senior Facilities Agreement or with the prior written consent of the Security Agent.

6. Pursuant to Clause 9 (*Attorney*) of the Debenture the Charging Company, by way of security, irrevocably and severally appoints the Security Agent, each Receiver and any person nominated for the purpose by the Security Agent or any Receiver (in writing and signed by an officer of the Security Agent or Receiver) as its attorney (with full power of substitution and delegation) in its name and on its behalf and as its act and deed to execute, seal and deliver (using the company seal where appropriate) and otherwise perfect and do any deed, assurance, agreement, instrument, act or thing which it ought to execute and do under the terms of the Debenture, or which may be required or deemed proper in the exercise of any rights or powers conferred on the Security Agent or any Receiver under the Debenture or otherwise for any of the purposes of the Debenture, and the Charging Company covenants with the Security Agent and each Receiver to ratify and confirm all such acts or things made, done or executed by that attorney. Such power of attorney shall only be exercisable following the occurrence of an Event of Default which is continuing or if the Charging Company has failed to comply with its further assurance obligations pursuant to Clause 5 (*Further Assurance*) of the Debenture or a perfection obligation pursuant to the Debenture.
7. Pursuant to Clause 21 (*Set-off*) of the Debenture, a Senior Finance Party may at any time whilst an Event of Default is continuing set off any matured obligation due from the Charging Company in respect of the Senior Finance Party Indebtedness (to the extent beneficially owned by that Senior Finance Party) against any matured obligation owed by that Senior Finance Party to the Charging Company, regardless of the place of payment, booking branch or currency of either obligation. If the obligations are in different currencies, the Senior Finance Party may convert either obligation at a market rate of exchange in its usual course of business for the purpose of the set-off.

Schedule 1

Details of the Scheduled Property

	Ineos Silicas Limited			
	Charging Company	County	Address or description	Title no.
1.	Ineos Silicas Limited	Cheshire	Freehold land at Bank Quay, Warrington	CH163354
2.	Ineos Silicas Limited	Cheshire	Freehold land on the east side of Factory Lane and land lying to the east side of Quay Fold	LA263594
3.	Ineos Silicas Limited	Cheshire	Freehold land and buildings on the north east side of Quay Fold and 74, 76 and 78 Liverpool Road, Warrington	CH105321
4.	Ineos Silicas Limited	Cheshire	Leasehold land on the east bank and west bank of the River Mersey	CH260414
5.	Ineos Silicas Limited	Cheshire	Freehold land on the east side of the River Mersey	CH298186
6.	Ineos Silicas Limited	Cheshire	Freehold land on the north side of Liverpool Road, Warrington	CH225344
7.	Ineos Silicas Limited	Cheshire	Leasehold land on the North side of Liverpool Road, Warrington	CH225345
8.	Ineos Silicas Limited	Cheshire	Leasehold land on the south east side of Milner Street, Warrington	CH109081
9.	NOT USED			
10.	Ineos Silicas Limited	Cheshire	Freehold land and buildings on the east side of Factory Lane, Bank Quay, Warrington	LA148889
11.	Ineos Silicas Limited	Cheshire	Leasehold land being part of the site of 31-39 (odd numbers) Liverpool Road, Warrington	LA195115
12.	Ineos Silicas Limited	Cheshire	Freehold land and buildings at Quay Fold, Warrington	CH294691

13.	Ineos Silicas Limited	Cheshire	Freehold land bounded on the east and west sides by the River Mersey, Warrington	CH106049
14.	Ineos Silicas Limited	Cheshire	Relating to freehold land on the north west side of Eastford Road, and land lying to the north of Eastford Road, Arpley, Warrington	CH209647
15.	Ineos Silicas Limited	Cheshire	Leasehold land at Bank Quay, Warrington	CH200028
16.	Ineos Silicas Limited	Cheshire	Freehold land and buildings forming part of the site of Baxter Street, Warrington	CH99027
17.	Ineos Silicas Limited	Cheshire	Freehold land and buildings on the north west side of Liverpool Road, Warrington	CH99028
18.	Ineos Silicas Limited	Cheshire	Leasehold land being 65-71 (odd numbers) Liverpool Road, Warrington	LA239898
19.	Ineos Silicas Limited	Cheshire	Freehold land and buildings to the north west side of Liverpool Road, Warrington	CH114056
20.	Ineos Silicas Limited	Cheshire	Leasehold land and buildings to the north west side of Liverpool Road, Warrington	CH114057
21.	Ineos Silicas Limited	Cheshire	Leasehold land and buildings on the north west side of Old Liverpool Road, Warrington	CH463145
22.	Ineos Silicas Limited	Cheshire	Freehold land lying to the north of Eastford Road, Warrington	CH487191
23.	Ineos Silicas Limited	Cheshire	Freehold land and buildings on the south side of Liverpool Road, land at Bush Quay and a pipeline at Bush Quay, Warrington	CH487189
24.	Ineos Silicas Limited	Cheshire	Freehold land and buildings on the south of Factory Lane, Bank Quay,	CH487192

			Warrington	
25.	Ineos Silicas Limited	Cheshire	Freehold land known as Roosters, Old Liverpool Road, Warrington	CH487190
26.	Ineos Silicas Limited	Cheshire	Leasehold land to the south east of Factory Lane, Bank Quay, Warrington	CH487193
27.	Ineos Silicas Limited	Cheshire	Freehold land to the east side of the River Mersey, Warrington	CH525602
28.	Ineos Silicas Limited	Cheshire	Freehold land to the west side of Roosters, Liverpool Road, Warrington (WA51 AE)	CH522605

Schedule 2

Details of the Scheduled Relevant Accounts

Account Holder	Bank	Account Number
Ineos Silicas Limited	Barclays Manchester	45093622
Ineos Silicas Limited	Barclays Manchester	54606899
Ineos Silicas Limited	Barclays Manchester	60907847
Ineos Silicas Limited	Barclays Manchester	60286796
Ineos Silicas Limited	Barclays Manchester	58002800
Ineos Silicas Limited	Barclays Manchester	48970600

Schedule 3

Details of the Scheduled Subsidiary Shares

Charging Company	Subsidiary	Number and class of shares	Details of nominees (if any) holding legal title to shares
Ineos Silicas Limited	Ineos Silicas Trustees Limited	1 ordinary share of £1	N/A

INEOS SILICAS INTELLECTUAL PROPERTY

12 01 01 01

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Family : 42012

Manager : JACKSON John D

Synthetic bleaching earth

Business : Ineos Silicas Limited

Base details : 24 Nov 1986

GB

8628067

Official Title :

Technical Merit :

Commercial Merit :

Abstract : Calcined alumina-silica, prepared via the flash process, having a large specific area in mesopores and a sufficiently large pore volume have a higher bleaching clays. Thus, oil losses can be reduced. The alumina-silica can be regenerated by calcination repeatedly, without substantial loss of activity.

1 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
United States	0	4812436	14 Mar 1989	124864	24 Nov 1987	24 Nov 2007					Live - Granted/Registered

Family : 42013

Manager : JACKSON John D

Process for refining glyceride oil with silica

Business : Ineos Silicas Limited

Base details : 30 Sep 1988

GB

8823006.5

Official Title :

Technical Merit :

Commercial Merit :

Abstract : A provisional application has been filed for refining glyceride oil comprising the step of contacting the oil with amorphous silica, characterized in that said silica is selected from the group of precipitated amorphous silicas having a pore volume in the range from 1.6 to 2.5 ml/g, a mean pore diameter in the range from 5 nm to 16 nm and a surface area of at least 550 m²/g.

2 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Canada	0	1333617	20 Dec 1994	614591	29 Sep 1989	20 Dec 2011			20 Dec 2005	111	Live - Granted/Registered
United States	1	5264597	23 Nov 1993	899115	15 Jun 1992	23 Nov 2010					Live - Granted/Registered

Family : 42015

Manager : JACKSON John D

Process for refining glyceride oil using silica hydrogel

Business : Ineos Silicas Limited

Base details : 21 Mar 1989

GB

8906443.0

Official Title :

Technical Merit :

Commercial Merit :

Abstract : The invention relates to a process for refining glyceride oil, comprising the steps of: i) contacting the glyceride oil with silica hydrogel; ii) removing water from the mixture of glyceride oil and silica hydrogel; and iii) separating the silica hydrogel from the mixture. Preferably water is removed to such an extent that the final water content of the mixture of glyceride oil and silica hydrogel is less than 0.2% wt, preferably 0.1% wt, or even less than 0.1% wt.

3 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Canada	0	2012544	26 Dec 2000	2012544	19 Mar 1990	19 Mar 2010		21 Sep 1990	19 Mar 2006	194	Live - Granted/Registered
United States	0	5069829	03 Dec 1991	495257	16 Mar 1990	16 Mar 2010					Live - Granted/Registered
South Africa	0	90/2177	27 Nov 1991	90/2177	21 Mar 1990	21 Mar 2010		21 Sep 1990	21 Mar 2006	34	Live - Granted/Registered

Family : 42016

Manager : JACKSON John D

Process for refining glyceride oil

Business : Ineos Silicas Limited

Base details : 25 Sep 1990

EP

90202540.2

Official Title :

Technical Merit :

Commercial Merit :

Abstract : The invention relates to a dry degumming method comprising the steps of: i) acidifying the oil with an acid; ii) partially neutralizing the acidified oil with an alkali; iii) contacting the partially neutralized oil with an amorphous silica; and iv) removing solids from the glyceride oil. Preferably, water is removed from the mixture comprising the oil and the amorphous silica. The preferred alkali is sodium silicate in a diluted aqueous solution.

1 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
United States	0	5248799	28 Sep 1993	765176	25 Sep 1991	25 Sep 2011					Live - Granted/Registered

Family : 42032

Manager : JACKSON John D

Precipitated silica/high abrasivity

Business : Ineos Silicas Limited

Base details : 28 Feb 1986

GB

8604985

Official Title :

Technical Merit :

Commercial Merit :

Abstract : A precipitated silica, suitable for use in toothpastes, has a high abrasivity, i.e. 23 to 35 on the perspex abrasion test, with a surface area of 10 to 450m²/g and a weight mean particle size of 3 to 20 micron. (10 Apr 86)

10 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Germany [EP]	0	3776922	04 Mar 1992	87301689.3	26 Feb 1987	26 Feb 2007	236070	09 Sep 1987	26 Feb 2006	1312	Live - Granted/Registered
Spain [EP]	0	236070	04 Mar 1992	87301689.3	26 Feb 1987	26 Feb 2007	236070	09 Sep 1987	26 Feb 2006	402	Live - Granted/Registered
France [EP]	0	236070	04 Mar 1992	87301689.3	26 Feb 1987	26 Feb 2007	236070	09 Sep 1987	26 Feb 2006	364	Live - Granted/Registered
Unl.Kingdom [EP]	0	236070	04 Mar 1992	87301689.3	26 Feb 1987	26 Feb 2007	236070	09 Sep 1987	26 Feb 2006	408	Live - Granted/Registered
Italy [EP]	0	236070	04 Mar 1992	87301689.3	26 Feb 1987	26 Feb 2007	236070	09 Sep 1987	26 Feb 2006	379	Live - Granted/Registered
Japan	0	1811044	27 Dec 1993	45112/87	27 Feb 1987	27 Feb 2007	223014/87	01 Oct 1987	30 Mar 2006	465	Live - Granted/Registered
Netherlands [EP]	0	236070	04 Mar 1992	87301689.3	26 Feb 1987	26 Feb 2007	236070	09 Sep 1987	26 Feb 2006	611	Live - Granted/Registered
United States	1	4956167	11 Sep 1990	327392	22 Mar 1989	11 Sep 2007					Live - Granted/Registered
United States	3	5447704	05 Sep 1995	08/158818	29 Nov 1993	05 Sep 2012			05 Mar 2006	1768	Live - Granted/Registered
South Africa	0	87/1440	26 Oct 1988	87/1440	27 Feb 1987	27 Feb 2007		28 Aug 1987	27 Feb 2006	36	Live - Granted/Registered

12 01 01 06

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Family : 42034

Manager : JACKSON John D

Silica gel washing small particles

Business : Ineos Silicas Limited

Base details : 25 Apr 1986

GB

8610118

Official Title :

Technical Merit :

Commercial Merit :

Abstract : Silica hydrogel is formed in small particle size (50 to 200 micron) to reduce washing time, provide water bourne system and decouple washing and ageing. (9 May 86)

8 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Germany [EP]	0	3787667	06 Oct 1993	87303620.6	24 Apr 1987	24 Apr 2007	244168	04 Nov 1987	24 Apr 2006	1312	Live - Granted/Registered
France [EP]	0	244168	06 Oct 1993	87303620.6	24 Apr 1987	24 Apr 2007	244168	04 Nov 1987	24 Apr 2006	364	Live - Granted/Registered
Uni.Kingdom [EP]	0	244168	06 Oct 1993	87303620.6	24 Apr 1987	24 Apr 2007	244168	04 Nov 1987	24 Apr 2006	408	Live - Granted/Registered
Italy [EP]	0	244168	06 Oct 1993	87303620.6	24 Apr 1987	24 Apr 2007	244168	04 Nov 1987	24 Apr 2006	379	Live - Granted/Registered
Japan	0	2136508	29 May 1998	101705/87	24 Apr 1987	24 Apr 2007	25212/88	02 Feb 1988	27 Sep 2005	465	Live - Granted/Registered
Netherlands [EP]	0	244168	06 Oct 1993	87303620.6	24 Apr 1987	24 Apr 2007	244168	04 Nov 1987	24 Apr 2006	569	Live - Granted/Registered
United States	2	5215733	01 Jun 1993	642568	18 Jan 1991	01 Jun 2010					Live - Granted/Registered
South Africa	0	87/2835	28 Dec 1988	87/2835	22 Apr 1987	22 Apr 2007		25 Oct 1987	22 Apr 2006	36	Live - Granted/Registered

12 01 01 07

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Family : 42038

Manager : JACKSON John D

Precipitated silica/beverage treatment

Business : Ineos Silicas Limited

Base details : 30 Mar 1987

GB

8707526

Official Title :

Technical Merit :

Commercial Merit :

Abstract : An amorphous silica suitable for beer stabilisation is defined by pore volume,
mean pore diameter and surface area.

2 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Japan	0	2138488	02 Oct 1998	73486/63	29 Mar 1988	29 Mar 2008	252915/88	20 Oct 1988	30 Sep 2005	465	Live - Granted/Registered
United States	4	5643624	01 Jul 1997	08/563748	29 Nov 1995	30 Mar 2008			01 Jan 2008	1768	Live - Granted/Registered

Family : 42041

Manager : JACKSON John D

Transparent precipitated silica abrasive

Business : Ineos Silicas Limited

Base details : 15 Sep 1987

GB

8721644

Official Title :

Technical Merit :

Commercial Merit :

Abstract : Amorphous dentifrice silica prepared by precipitate route has relatively high level of abrasivity. 6.11.87

9 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Germany [EP]	0	3872125	17 Jun 1992	88308426.1	13 Sep 1988	13 Sep 2008	308165	22 Mar 1989	13 Sep 2005	1077	Live - Granted/Registered
Spain [EP]	0	308165	17 Jun 1992	88308426.1	13 Sep 1988	13 Sep 2008	308165	22 Mar 1989	13 Sep 2005	340	Live - Granted/Registered
France [EP]	0	308165	17 Jun 1992	88308426.1	13 Sep 1988	13 Sep 2008	308165	22 Mar 1989	13 Sep 2005	364	Live - Granted/Registered
Uni.Kingdom [EP]	0	308165	17 Jun 1992	88308426.1	13 Sep 1988	13 Sep 2008	308165	22 Mar 1989	13 Sep 2005	338	Live - Granted/Registered
Italy [EP]	0	308165	17 Jun 1992	88308426.1	13 Sep 1988	13 Sep 2008	308165	22 Mar 1989	13 Sep 2005	379	Live - Granted/Registered
Japan	0	1797728	28 Oct 1993	231431/88	14 Sep 1988	14 Sep 2008	7327/93	28 Jan 1993	28 Jan 2006	465	Live - Granted/Registered
Netherlands [EP]	0	308165	17 Jun 1992	88308426.1	13 Sep 1988	13 Sep 2008	308165	22 Mar 1989	13 Sep 2005	611	Live - Granted/Registered
United States	0	4992251	12 Feb 1991	244898	15 Sep 1988	15 Sep 2008					Live - Granted/Registered
South Africa	0	88/6845	30 May 1990	88/6845	14 Sep 1988	14 Sep 2008		15 Mar 1989	14 Sep 2005	34	Live - Granted/Registered

12 01 01 09

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Family : 42054

Manager : JACKSON John D

Toothpaste Silica TPA 8

Business : Ineos Silicas Limited

Base details : 05 Aug 1990

EP

90308608.0

Official Title :

Technical Merit :

Commercial Merit :

Abstract : A transparent toothpaste silica having defined structural and abrasivity (PAV 8 to 15) characteristics and prepared by precipitation route.

4 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Germany [EP]	0	P69127964.0	15 Oct 1997	91913688.7	05 Aug 1991	05 Aug 2011	495039	20 Feb 1992	05 Aug 2005	720	Live - Granted/Registered
France [EP]	0	0495039	15 Oct 1997	91913688.7	05 Aug 1991	05 Aug 2011	495039	20 Feb 1992	05 Aug 2005	189	Live - Granted/Registered
Uni.Kingdom [EP]	0	0495039	15 Oct 1997	91913688.7	05 Aug 1991	05 Aug 2011	495039	20 Feb 1992	05 Aug 2005	258	Live - Granted/Registered
Italy [EP]	0	0495039	15 Oct 1997	91913688.7	05 Aug 1991	05 Aug 2011	495039	20 Feb 1992	05 Aug 2005	379	Live - Granted/Registered

12.1.10

Family : 42060

Manager : JACKSON John D

Single Stage Silicate Granulation

Business : Ineos Silicas Limited

Base details : 02 Jul 1991

EP

91305996.0

Official Title :

Technical Merit :

Commercial Merit :

Abstract : Alkali metal silicate granules are formed in a single stage process using a heated drum containing rotating arms. Heated silicate solution is sprayed into the drum with air heated to 150 - 200 C. (20 Sept 91)

3 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
France [EP]	0	526978	31 Jan 1996	92305843.2	25 Jun 1992	25 Jun 2012	526978	10 Feb 1993	25 Jun 2005	189	Live - Granted/Registered
Uni.Kingdom [EP]	0	526978	31 Jan 1996	92305843.2	25 Jun 1992	25 Jun 2012	526978	10 Feb 1993	25 Jun 2005	238	Live - Granted/Registered
Netherlands [EP]	0	526978	31 Jan 1996	92305843.2	25 Jun 1992	25 Jun 2012	526978	10 Feb 1993	25 Jun 2005	427	Live - Granted/Registered

Family : 42061

Manager : JACKSON John D

Toothpaste silica

Business : Ineos Silicas Limited

Base details : 02 Oct 1991

EP

91309047.8

Official Title :

Technical Merit :

Commercial Merit :

Abstract : Toothpaste silica (TPA-10) obtained by precipitate route has abrasion value of 16 to 26 and a transmission at low RI which allows it to be used in transparent gels.

20 n

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Belgium [EP]	0	535943	13 Mar 1996	92308931.2	30 Sep 1992	30 Sep 2012	535943	07 Apr 1993	30 Sep 2005	178	Live - Granted/Registe
Brazil	0	PI9203795.0	27 Jul 1999	PI9203795.0	29 Sep 1992	27 Jul 2014		04 May 1993	29 Sep 2005	224	Live - Granted/Registe
Switzerland [EP]	0	535943	13 Mar 1996	92308931.2	30 Sep 1992	30 Sep 2012	535943	07 Apr 1993	30 Sep 2005	193	Live - Granted/Registe
China	0	35104	07 Sep 1996	92111342.0	30 Sep 1992	30 Sep 2012	1033444	14 Apr 1993	30 Sep 2005	430	Live - Granted/Registe
China	2	67196	13 Jan 2001	95120328.2	30 Sep 1992	30 Sep 2012	1131536	25 Sep 1996	30 Sep 2005	430	Live - Granted/Registe
Germany [EP]	0	69208995	13 Mar 1996	92308931.2	30 Sep 1992	30 Sep 2012	535943	07 Apr 1993	30 Sep 2005	620	Live - Granted/Registe
Spain [EP]	0	535943	13 Mar 1996	92308931.2	30 Sep 1992	30 Sep 2012	535943	07 Apr 1993	30 Sep 2005	222	Live - Granted/Registe
France [EP]	0	535943	13 Mar 1996	92308931.2	30 Sep 1992	30 Sep 2012	535943	07 Apr 1993	30 Sep 2005	189	Live - Granted/Registe
Uni.Kingdom [EP]	0	535943	13 Mar 1996	92308931.2	30 Sep 1992	30 Sep 2012	535943	07 Apr 1993	30 Sep 2005	238	Live - Granted/Registe
Indonesia	0	0001072	05 Nov 1996	4779	01 Oct 1992	01 Oct 2012		01 Apr 1993	05 Nov 2005	308	Live - Granted/Registe
Ireland [EP]	0	E67568	13 Mar 1996	92308931.2	30 Sep 1992	30 Sep 2012	535943	07 Apr 1993	30 Sep 2005	234	Live - Granted/Registe
Italy [EP]	0	535943	13 Mar 1996	92308931.2	30 Sep 1992	30 Sep 2012	535943	07 Apr 1993	30 Sep 2005	312	Live - Granted/Registe
Japan	0	2127529	24 Feb 1997	289432/92	02 Oct 1992	02 Oct 2012	208808/93	20 Aug 1993	28 Feb 2006	465	Live - Granted/Registe
Korea (South)	0	108731	05 Dec 1996	92/17837	30 Sep 1992	30 Sep 2012		30 Mar 1994	08 Aug 2005	176	Live - Granted/Registe
Netherlands [EP]	0	535943	13 Mar 1996	92308931.2	30 Sep 1992	30 Sep 2012	535943	07 Apr 1993	30 Sep 2005	427	Live - Granted/Registe
New Zealand	0	244492	13 Apr 1995	244492	25 Sep 1992	25 Sep 2012			25 Sep 2005	363	Live - Granted/Registe
Portugal [EP]	0	535943	13 Mar 1996	92308931.2	30 Sep 1992	30 Sep 2012	535943	07 Apr 1993	30 Sep 2005	243	Live - Granted/Registe

Thailand	0	9295	17 Dec 1999	16953/92	25 Sep 1992	25 Sep 2012	12630	10 May 1993	25 Sep 2005	375	Live - Granted/Registe
United States	2	5512271	30 Apr 1996	08/266849	05 Jul 1994	30 Apr 2013			30 Oct 2007	1768	Live - Granted/Registe
South Africa	0	92/7593	29 Jun 1994	92/7593	02 Oct 1992	02 Oct 2012		02 Apr 1993	02 Oct 2005	31	Live - Granted/Registe

Family : 42063

Manager : JACKSON John D

Silica/ternary wax matting agent

Business : Ineos Silicas Limited

Base details : 07 Nov 1991

EP

91310327.1

Official Title :

Technical Merit :

Commercial Merit :

Abstract : Matting agents are an essential component of lacquers having a reduced gloss Present application describes matting component capable of reducing hard sedimentation and component interaction.

5 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Germany [EP]	0	69203570	19 Jul 1995	92310114.1	04 Nov 1992	04 Nov 2012	541359	12 May 1993	04 Nov 2005	620	Live - Granted/Registered
France [EP]	0	541359	19 Jul 1995	92310114.1	04 Nov 1992	04 Nov 2012	541359	12 May 1993	04 Nov 2005	189	Live - Granted/Registered
Uni.Kingdom [EP]	0	541359	19 Jul 1995	92310114.1	04 Nov 1992	04 Nov 2012	541359	12 May 1993	04 Nov 2005	238	Live - Granted/Registered
Italy [EP]	0	541359	19 Jul 1995	92310114.1	04 Nov 1992	04 Nov 2012	541359	12 May 1993	04 Nov 2005	312	Live - Granted/Registered
United States	0	5326395	05 Jul 1994	971615	06 Nov 1992	06 Nov 2012			05 Jan 2006	1768	Live - Granted/Registered

Family : 42069

Manager : JACKSON John D

MAP/High Gel Concentration

Business : Ineos Silicas Limited

Base details : 09 Apr 1992

EP

82303147.0

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Argentina	0	248576	15 Apr 1996	324700	07 Apr 1993	15 Apr 2011			15 Apr 2006	150	Live - Granted/Req
Austria [EP]	0	E173284	11 Nov 1998	93302737.7	07 Apr 1993	07 Apr 2013	565364	13 Oct 1993	07 Apr 2004	359	Live - Granted/Req
Australia	0	664882	08 Jan 1998	36783/93	07 Apr 1993	07 Apr 2013		09 Oct 1993	07 Apr 2006	223	Live - Granted/Req
Belgium [EP]	0	0565364	11 Nov 1998	93302737.7	07 Apr 1993	07 Apr 2013	565364	13 Oct 1993	07 Apr 2006	178	Live - Granted/Req
Brazil	0	PI9301471.6	11 Jan 2000	PI9301471-6	07 Apr 1993	11 Jan 2015		13 Oct 1993	07 Apr 2006	224	Live - Granted/Req
Canada	0	2093303	24 Nov 1998	2093303	02 Apr 1993	02 Apr 2013		10 Oct 1993	02 Apr 2006	111	Live - Granted/Req
Switzerland [EP]	0	0565364	11 Nov 1998	93302737.7	07 Apr 1993	07 Apr 2013	565364	13 Oct 1993	07 Apr 2006	193	Live - Granted/Req
China	0	34962	24 Aug 1996	93104027.2	08 Apr 1993	08 Apr 2013		22 Dec 1993	08 Apr 2006	430	Live - Granted/Req
Czech Republic	0	280421	22 Nov 1995	PV619/93	09 Apr 1993	09 Apr 2013		09 Oct 1993	09 Apr 2006	297	Live - Granted/Req
Germany [EP]	0	69321987.4	11 Nov 1998	93302737.7	07 Apr 1993	07 Apr 2013	565364	13 Oct 1993	07 Apr 2006	620	Live - Granted/Req
Denmark [EP]	0	0565364	11 Nov 1998	93302737.7	07 Apr 1993	07 Apr 2013	565364	13 Oct 1993	07 Apr 2006	307	Live - Granted/Req
Spain [EP]	0	2123618	11 Nov 1998	93302737.7	07 Apr 1993	07 Apr 2013	565364	13 Oct 1993	07 Apr 2006	222	Live - Granted/Req
Finland	0	111358	15 Jul 2003	931572	07 Apr 1993	07 Apr 2013			07 Apr 2006	344	Live - Granted/Req
France [EP]	0	0565364	11 Nov 1998	93302737.7	07 Apr 1993	07 Apr 2013	565364	13 Oct 1993	07 Apr 2006	189	Live - Granted/Req
Uni.Kingdom [EP]	0	0565364	11 Nov 1998	93302737.7	07 Apr 1993	07 Apr 2013	565364	13 Oct 1993	07 Apr 2006	238	Live - Granted/Req
Greece [EP]	0	990400261	11 Nov 1998	93302737.7	07 Apr 1993	07 Apr 2013	565364	13 Oct 1993	07 Apr 2006	179	Live - Granted/Req
Hungary	0	211428	11 Sep 1995	9301047	09 Apr 1993	09 Apr 2013		28 Nov 1994	09 Apr 2006	388	Live - Granted/Req
Indonesia	0	1147	26 Nov	5831	08 Apr 1993	08 Apr 2013		07 Oct	26 Nov 2005	308	Live - Granted/Req

			1996					1993		
Ireland [EP]	0	0565364	11 Nov 1998	93302737.7	07 Apr 1993	07 Apr 2013	565364	13 Oct 1993	07 Apr 2006	234 Live - Granted/Req
Italy [EP]	0	0565364	11 Nov 1998	93302737.7	07 Apr 1993	07 Apr 2013	565364	13 Oct 1993	07 Apr 2006	312 Live - Granted/Req
Japan	0	2523433	31 May 1996	106104/93	08 Apr 1993	08 Apr 2013	115926/94	26 Apr 1994	31 May 2006	465 Live - Granted/Req
Korea (South)	0	115383	19 May 1997	93/5772	07 Apr 1993			07 Oct 1994	13 Jan 2006	176 Live - Granted/Req
Mexico	0			932036	07 Apr 1993			09 Oct 1993		Pending - ur Examination
Netherlands [EP]	0	0565364	11 Nov 1998	93302737.7	07 Apr 1993	07 Apr 2013	565364	13 Oct 1993	07 Apr 2006	372 Live - Granted/Req
Poland	0	172208	16 Jan 1997	298425	07 Apr 1993	07 Apr 2013			07 Apr 2007	246 Live - Granted/Req
Portugal [EP]	0	0565364	11 Nov 1998	93302737.7	07 Apr 1993	07 Apr 2013	565364	13 Oct 1993	07 Apr 2006	243 Live - Granted/Req
Sweden [EP]	0	0565364	11 Nov 1998	93302737.7	07 Apr 1993	07 Apr 2013	565364	13 Oct 1993	07 Apr 2006	232 Live - Granted/Req
Slovakia	0	279012	26 Jan 1998	PV325/93	08 Apr 1993	08 Apr 2008		10 Nov 1993	08 Apr 2006	186 Live - Granted/Req
Thailand	0			18571/93	31 Mar 1993		14555	26 Aug 1994		Live - Pendu
Turkey	0	26679	05 Jul 1994	93/0307	07 Apr 1993	07 Apr 2013		09 Oct 1993	07 Apr 2006	297 Live - Granted/Req
Taiwan	0	74990	25 Mar 1996	82104058	22 May 1993	22 May 2013			11 Dec 2005	324 Live - Granted/Req
United States	0	5362466	08 Nov 1994	08/046864	08 Apr 1993	08 Apr 2013			08 May 2006	1768 Live - Granted/Req
United States	2	6413493	02 Jul 2002	08/288313	10 Aug 1994	02 Jul 2019	US02/0076374	20 Jun 2002	02 Jan 2006	505 Live - Granted/Req
South Africa	0	93/2543	28 Dec 1994	93/2543	08 Apr 1993	08 Apr 2013		09 Oct 1993	08 Apr 2006	31 Live - Granted/Req

12 01 01 14

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Family : 42071

Manager : JACKSON John D

Use of Aluminosilicates of Zeolite P Type As low temp calcium binders

Business : Ineos Silcas Limited

Base details : 31 Jul 1992

GB

9216386.4

Official Title :

Technical Merit :

Commercial Merit :

Abstract : Alkali metal aluminosilicate of the zeolite P type having the oxide formula $M_2/nO \cdot Al_2O_3 \cdot (1.80-2.66)SiO_2 \cdot yH_2O$, y being the water content, proves to have both excellent Calcium Effective Binding Capacity and Calcium Uptake Rate at temperatures below 25 degree. Date: 7 June 1993

2 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
China	0	58962	14 Jul 2000	93109414.3	31 Jul 1993	31 Jul 2013		09 Feb 1994	31 Jul 2005	430	Live - Granted/Registered
S Korea [PCT]	0	264226	26 May 2000	95/700362	12 Jul 1993	12 Jul 2013	95/702619	17 Feb 1994	26 May 2006	112	Live - Granted/Registered

Family : 42073

Manager : JACKSON John D

Modified silicate with calcium sequestrant

Business : Ineos Silicas Limited

Base details : 28 Aug 1992

EP

92307886.9

Official Title :

Technical Merit :

Commercial Merit :

Abstract : Alkaline containing silica solutions are made compatible with the neutralized form of organic acid calcium sequestrants. These solution, when used in the alkaline peroxide bleaching of white goods, while giving the same whiteness and the same hydrogen peroxide consumption as when using silicate, do not rise to the detrimental effects normally associated with the use of silicates.
Date: 24 May 1993

12 row:

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Austria [EP]	0	E194998	26 Jul 2000	93306496.6	18 Aug 1993	18 Aug 2013	585038	02 Mar 1994	18 Aug 2003	321	Live - Granted/Registered
Belgium [EP]	0	0585038	26 Jul 2000	93306496.6	18 Aug 1993	18 Aug 2013	585038	02 Mar 1994	18 Aug 2005	158	Live - Granted/Registered
Brazil	0	PI9303474-1	06 Mar 2001	9303474-1	25 Aug 1993	25 Aug 2013		15 Mar 1994	25 Aug 2005	224	Live - Granted/Registered
Germany [EP]	0	693 29 089.7	26 Jul 2000	93306496.6	18 Aug 1993	18 Aug 2013	585038	02 Mar 1994	18 Aug 2005	519	Live - Granted/Registered
Spain [EP]	0	2150436	26 Jul 2000	93306496.6	18 Aug 1993	18 Aug 2013	585038	02 Mar 1994	18 Aug 2005	199	Live - Granted/Registered
France [EP]	0	0585038	26 Jul 2000	93306496.6	18 Aug 1993	18 Aug 2013	585038	02 Mar 1994	18 Aug 2005	189	Live - Granted/Registered
Uni.Kingdom [EP]	0	0585038	26 Jul 2000	93306496.6	18 Aug 1993	18 Aug 2013	585038	02 Mar 1994	18 Aug 2005	218	Live - Granted/Registered
Greece [EP]	0	20000402124	26 Jul 2000	93306496.6	18 Aug 1993	18 Aug 2013	585038	02 Mar 1994	18 Aug 2005	160	Live - Granted/Registered
Italy [EP]	0	0585038	26 Jul 2000	93306496.6	18 Aug 1993	18 Aug 2013	585038	02 Mar 1994	18 Aug 2005	278	Live - Granted/Registered
Netherlands [EP]	0	0585038	26 Jul 2000	93306496.6	18 Aug 1993	18 Aug 2013	585038	02 Mar 1994	18 Aug 2005	306	Live - Granted/Registered
Sweden [EP]	0	0585038	26 Jul 2000	93306496.6	18 Aug 1993	18 Aug 2013	585038	02 Mar 1994	18 Aug 2005	217	Live - Granted/Registered
South Africa	0	93/5690	26 Apr 1995	93/5690	05 Aug 1993	05 Aug 2013		28 Feb 1994	05 Aug 2005	31	Live - Granted/Registered

Family : 42074

Manager : JACKSON John D

Toothpaste Silica

Business : Ineos Silicas Limited

Base details : 28 Oct 1992

EP

92309858.6

Official Title :

Technical Merit :

Commercial Merit :

Abstract : Amorphous silicas suitable for use as abrasives in transparent toothpaste can be prepared by a precipitation route. These silicas are distinguished by having a BET surface area of 10 to 90 m²/g, a weight mean particle size of 5 to 15 micron, and a plastics abrasion value of 16 to 26, a transmission of at least 70% in the RI range from 1.430 to 1.443 and an oil absorption in the range from about 70 to about 150 cm³/100g. Date: 8 June 1993

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Brazil [PCT]	0	PI9307330-5	13 Jun 2000	9307330-5	26 Oct 1993	26 Oct 2013	WO94/10087	11 May 1994	26 Oct 2005	224	Live - Granted/Req
China	0	41890	27 Jun 1998	93120734.7	28 Oct 1993	28 Oct 2013		29 Jun 1994	28 Oct 2005	430	Live - Granted/Req
China	2	ZL98105616.4	09 Jan 2002	98105616.4	28 Oct 1993	28 Oct 2013	1202356	23 Dec 1998	28 Oct 2005	430	Live - Granted/Req
Colombia	0	25603	18 Aug 1998	416556	03 Nov 1993	03 Nov 2013	2536	02 Sep 1998	03 Nov 2008	156	Live - Granted/Req
Germany [EP]	0	69304546	04 Sep 1996	93924077.6	26 Oct 1993	26 Oct 2013	666832	11 May 1994	26 Oct 2005	519	Live - Granted/Req
France [EP]	0	666832	04 Sep 1996	93924077.6	26 Oct 1993	26 Oct 2013	666832	11 May 1994	26 Oct 2005	189	Live - Granted/Req
Uni.Kingdom [EP]	0	666832	04 Sep 1996	93924077.6	26 Oct 1993	26 Oct 2013	666832	11 May 1994	26 Oct 2005	218	Live - Granted/Req
Indonesia	0	ID 0001465	07 Apr 1997	6902	28 Oct 1993	28 Oct 2013		28 Apr 1994	07 Apr 2006	308	Live - Granted/Req
Italy [EP]	0	666832	04 Sep 1996	93924077.6	26 Oct 1993	26 Oct 2013	666832	11 May 1994	26 Oct 2005	278	Live - Granted/Req
Japan [PCT]	0	2971946	27 Aug 1999	510701/94	26 Oct 1993	26 Oct 2013	502471/96	11 May 1994	27 Aug 2005	244	Live - Granted/Req
S Korea [PCT]	0	169542	12 Oct 1998	95/701623	26 Oct 1993	26 Oct 2013	95/704192	11 May 1994	12 Oct 2005	112	Live - Granted/Req
Mexico	0	185592	12 Aug 1997	936711	28 Oct 1993	28 Oct 2013		28 Apr 1994	28 Oct 2008	492	Live - Granted/Req
Malaysia	0	109255	31 Dec 1996	9302248	27 Oct 1993	31 Dec 2011			31 Dec 2005	116	Live - Granted/Req
Philippines	0	31053	03 Feb 1998	47152	27 Oct 1993	03 Feb 2015			03 Feb 2006	159	Live - Granted/Req
Poland [PCT]	0	172190	21 Jan 1997	P308645	26 Oct 1993	26 Oct 2013	WO94/10087	11 May 1994	26 Oct 2004	0	Live - Granted/Req
US [PCT]	0	5624652	29 Apr 1997	08/424453	26 Oct 1993	29 Apr 2014	WO94/10087	11 May 1994	29 Oct 2008	1768	Live - Granted/Req

Venezuela	0	AWAITED	29 May 1996	1685/93	03 Nov 1993	03 Nov 2013	03 Nov 2005	81	Live - Granted/Reg
South Africa	0	93/8055	28 Jun 1995	93/8055	28 Oct 1993	28 Oct 2013	28 Apr 1994 28 Oct 2005	31	Live - Granted/Reg

Family : 42077

Manager : JACKSON John D

A24-Unseeded route

Business : Ineos Silicas Limited

Base details : 07 May 1993

EP

93303546.1

Official Title : ALUMINOSILICATES

Technical Merit :

Commercial Merit :

Abstract : A24 production. Sodium silicate, sodium aluminate and sodium hydroxide are mixed together to produce a gel having the general formula: $2.5-7.5 \text{ Na}_2\text{O}$, $2.2-3.0 \text{ SiO}_2$, Al_2O_3 , 80-250 H_2O and a volume of more than 1.5m^3 , no XRD detectable zeolite A being produced and no zeolite P being added, the product being eventually filtered washed and dried. It is thus possible to produce on an industrial scale an alkali metal aluminosilicate of zeolite P type having the oxide formula M_2/nO , Al_2O_3 , $2.0-2.66 \text{ SiO}_2$, $y \text{ H}_2\text{O}$. Date: 20 Jan 94

22

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Belgium [EP]	0	0697010	02 Dec 1998	94916938.7	28 Apr 1994	28 Apr 2014	697010	24 Nov 1994	28 Apr 2006	158	Live - Granted/Regis
Brazil [PCT]	0	PI9406645.0	23 Dec 2003	9406645-0	28 Apr 1994	28 Apr 2014	WO94/26662	24 Nov 1994	28 Apr 2006	224	Live - Granted/Regis
Switzerland [EP]	0	0697010	02 Dec 1998	94916938.7	28 Apr 1994	28 Apr 2014	697010	24 Nov 1994	28 Apr 2006	193	Live - Granted/Regis
China [PCT]	0	45373	27 Feb 1999	94192510.2	28 Apr 1994	28 Apr 2014	WO94/26662	24 Nov 1994	28 Apr 2006	430	Live - Granted/Regis
Czech Rep. [PCT]	0	290481	19 Sep 2002	PV2901/95	28 Apr 1994	28 Apr 2014	WO94/26662	24 Nov 1994	28 Apr 2006	252	Live - Granted/Regis
Germany [EP]	0	69415004.5	02 Dec 1998	94916938.7	28 Apr 1994	28 Apr 2014	697010	24 Nov 1994	28 Apr 2006	519	Live - Granted/Regis
Spain [EP]	0	2124890	02 Dec 1998	94916938.7	28 Apr 1994	28 Apr 2014	697010	24 Nov 1994	28 Apr 2006	199	Live - Granted/Regis
Finland [PCT]	0	112354	28 Nov 2003	955301	28 Apr 1994	28 Apr 2014	WO94/26662	24 Nov 1994	28 Apr 2006	310	Live - Granted/Regis
France [EP]	0	0697010	02 Dec 1998	94916938.7	28 Apr 1994	28 Apr 2014	697010	24 Nov 1994	28 Apr 2006	189	Live - Granted/Regis
Uni.Kingdom [EP]	0	0697010	02 Dec 1998	94916938.7	28 Apr 1994	28 Apr 2014	697010	24 Nov 1994	28 Apr 2006	218	Live - Granted/Regis
Hungary [PCT]	0	214363	26 Jan 1998	9503172	28 Apr 1994	28 Apr 2014	WO94/26662	24 Nov 1994	28 Apr 2006	388	Live - Granted/Regis
Indonesia	0	0003778	30 Apr 1999	940704	06 May 1994	06 May 2014		03 Nov 1994	30 Apr 2006	257	Live - Granted/Regis
Ireland [EP]	0	0697010	02 Dec 1998	94916938.7	28 Apr 1994	28 Apr 2014	697010	24 Nov 1994	28 Apr 2006	217	Live - Granted/Regis
India	0			392/MAS/94	11 May 1994						Live - Pending
Italy [EP]	0	0697010	02 Dec 1998	94916938.7	28 Apr 1994	28 Apr 2014	697010	24 Nov 1994	28 Apr 2006	278	Live - Granted/Regis
Japan [PCT]	0	2753521	06 Mar 1998	524908/94	28 Apr 1994	28 Apr 2014	509950/96	24 Nov 1994	06 Mar 2006	244	Live - Granted/Regis

S Korea [PCT]	0	169543	12 Oct 1998	95/704900	28 Apr 1994	28 Apr 2014	96/701802	24 Nov 1994	12 Oct 2005	112	Live - Granted/Regis
Netherlands [EP]	0	0697010	02 Dec 1998	94916938.7	28 Apr 1994	28 Apr 2014	697010	24 Nov 1994	28 Apr 2006	372	Live - Granted/Regis
Portugal [EP]	0	0697010	02 Dec 1998	94916938.7	28 Apr 1994	28 Apr 2014	697010	24 Nov 1994	28 Apr 2006	215	Live - Granted/Regis
Sweden [EP]	0	0697010	02 Dec 1998	94916938.7	28 Apr 1994	28 Apr 2014	697010	24 Nov 1994	28 Apr 2006	217	Live - Granted/Regis
Taiwan	0	NI-083499	06 May 1997	83105851	28 Jun 1994	28 Jun 2014			21 Jan 2006	324	Live - Granted/Regis
South Africa	0	94/3033	31 Jan 1996	94/3033	03 May 1994	03 May 2014		07 Nov 1994	03 May 2006	31	Live - Granted/Regis

Family : 42082

Manager : JACKSON John D

A24 - Batch auto seeded process

Business : Ineos Silicas Limited

Base details : 04 Feb 1994

GB

9402160.7

Official Title :

Technical Merit :

Commercial Merit :

Process for manufacturing an alkyl metal aluminosilicate of zeolite P type having the oxide formula: $M_2/nO, Al_2O_3, 1.9-2.6 SiO_2, y H_2O$ y being the water content, wherein sodium silicate, sodium aluminate and sodium hydroxide are mixed together to produce a first reacting gel having the general formula: $2.5-7.5 Na_2O, 2.2-4.0 SiO_2, Al_2O_3, 60-250 H_2O$ said first reacting gel being then allowed to react sufficiently until zeolite P nuclei are formed, p.t.o. sodium aluminate solution being then added to said first reacting gel, while its degree of crystallinity is below 25% in a sufficient amount so as to produce a second reacting gel having the formula: $2.3-7.5 Na_2O, 1.9-2.6 SiO_2, Al_2O_3, 40-150 H_2O$ said second reacting gel being eventually allowed to react, the resulting product being filtered washed and dried. Date: 31 May 1994

10

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Belgium [EP]	0	0742780	08 Apr 1998	95906927.9	11 Jan 1995	11 Jan 2015	742780	10 Aug 1995	11 Jan 2006	137	Live - Granted/Regist
Brazil [PCT]	0	PI-9506701-9	15 May 2001	9506701-9	11 Jan 1995	11 Jan 2015	WO95/21125	10 Aug 1995	11 Jan 2006	224	Live - Granted/Regist
Germany [EP]	0	69502012.9	08 Apr 1998	95906927.9	11 Jan 1995	11 Jan 2015	742780	10 Aug 1995	11 Jan 2006	425	Live - Granted/Regist
Spain [EP]	0	2115361	08 Apr 1998	95906927.9	11 Jan 1995	11 Jan 2015	742780	10 Aug 1995	11 Jan 2006	175	Live - Granted/Regist
France [EP]	0	0742780	08 Apr 1998	95906927.9	11 Jan 1995	11 Jan 2015	742780	10 Aug 1995	11 Jan 2006	189	Live - Granted/Regist
Uni.Kingdom [EP]	0	0742780	08 Apr 1998	95906927.9	11 Jan 1995	11 Jan 2015	742780	10 Aug 1995	11 Jan 2006	198	Live - Granted/Regist
Italy [EP]	0	0742780	08 Apr 1998	95906927.9	11 Jan 1995	11 Jan 2015	742780	10 Aug 1995	11 Jan 2006	245	Live - Granted/Regist
Japan [PCT]	0			520341/95	11 Jan 1995		9-508348	10 Aug 1995			Live - Pending
Netherlands [EP]	0	0742780	08 Apr 1998	95906927.9	11 Jan 1995	11 Jan 2015	742780	10 Aug 1995	11 Jan 2006	372	Live - Granted/Regist
US [PCT]	0	5772979	30 Jun 1998	08/693104	11 Jan 1995	30 Jun 2015	WO95/21125	10 Aug 1995	30 Dec 2005	1150	Live - Granted/Regist

12 01 01 19

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Family : 42084

Manager : JACKSON John D

Method for preparing cogranules by compaction

Business : Ineos Silicas Limited

Base details : 19 Jul 1994

GB

9414576.0

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

2 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
France [EP]	0	0772671	27 Aug 2003	95926948.1	14 Jul 1995	14 Jul 2015	772671	01 Feb 1996	14 Jul 2005	189	Live - Granted/Registered
Netherlands [EP]	0	0772671	27 Aug 2003	95926948.1	14 Jul 1995	14 Jul 2015	772671	01 Feb 1996	14 Jul 2005	456	Live - Granted/Registered

Family : 42087

Manager : JACKSON John D

A24 - Continuous Seeded Process

Business : Ineos Silicas Limited

Base details : 07 Nov 1994

GB

9422401.1

Official Title :

Technical Merit :

Commercial Merit :

Abstract : Process for manufacturing an alkali metal aluminosilicate of zeolite P type wherein a sodium silicate solution and a sodium aluminate solution are continuously added together in a first reacting zone in the presence of zeolite P seeds, to produce a first mixture being continuously transferred from this first reacting zone to a second reacting zone, the resulting product being eventually filtered, washed and dried. Date: 30 October 1995

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Belgium [EP]	0	0790958	02 Dec 1998	95936550.3	24 Oct 1995	24 Oct 2015	0790958	17 May 1996	24 Oct 2005	124	Live - Granted/Req
Brazil [PCT]	0	PI-9509613-2	28 May 2002	PI-9509613-2	24 Oct 1995	24 Oct 2015	WO96/14270	17 May 1996	24 Oct 2005	224	Live - Granted/Req
Switzerland [EP]	0	0790958	02 Dec 1998	95936550.3	24 Oct 1995	24 Oct 2015	0790958	17 May 1996	24 Oct 2005	193	Live - Granted/Req
China [PCT]	0	ZL95197104.2	29 May 2002	95197104.2	24 Oct 1995	24 Oct 2015	1171091	17 May 1996	24 Oct 2005	300	Live - Granted/Req
Germany [EP]	0	69506440.1	02 Dec 1998	95936550.3	24 Oct 1995	24 Oct 2015	0790958	17 May 1996	24 Oct 2005	324	Live - Granted/Req
Spain [EP]	0	2125669	02 Dec 1998	95936550.3	24 Oct 1995	24 Oct 2015	0790958	17 May 1996	24 Oct 2005	152	Live - Granted/Req
France [EP]	0	0790958	02 Dec 1998	95936550.3	24 Oct 1995	24 Oct 2015	0790958	17 May 1996	24 Oct 2005	189	Live - Granted/Req
Uni.Kingdom [EP]	0	0790958	02 Dec 1998	95936550.3	24 Oct 1995	24 Oct 2015	0790958	17 May 1996	24 Oct 2005	178	Live - Granted/Req
Italy [EP]	0	0790958	02 Dec 1998	95936550.3	24 Oct 1995	24 Oct 2015	0790958	17 May 1996	24 Oct 2005	178	Live - Granted/Req
Japan [PCT]	0			96/515008	24 Oct 1995		WO96/14270	17 May 1996			Live - Pending
S Korea [PCT]	0	391869	04 Jul 2003	97/702996	24 Oct 1995	24 Oct 2015	97-7070420	17 May 1996	04 Jul 2006	76	Live - Granted/Req
Netherlands [EP]	0	0790958	02 Dec 1998	95936550.3	24 Oct 1995	24 Oct 2015	0790958	17 May 1996	24 Oct 2005	339	Live - Granted/Req
Sweden [EP]	0	0790958	02 Dec 1998	95936550.3	24 Oct 1995	24 Oct 2015	0790958	17 May 1996	24 Oct 2005	191	Live - Granted/Req
US [PCT]	0	5904914	18 May 1999	08/836663	24 Oct 1995	24 Oct 2015	WO96/14270	17 May 1996	18 Nov 2006	1150	Live - Granted/Req

Family : 42089

Manager : JACKSON John D

A24 - Small Particle Size

Business : Ineos Silicas Limited

Base details : 01 May 1995

GB

9508821.7

Official Title : SMALL PARTICLE SIZE P-TYPE ZEOLITE

Technical Merit :

Commercial Merit :

Abstract :

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Austria [EP]	0	E205808	19 Sep 2001	96912024.5	17 Apr 1996	17 Apr 2016	0823884	07 Nov 1996	17 Apr 2004	213	Live - Granted/Re.
Belgium [EP]	0	0823884	19 Sep 2001	96912024.5	17 Apr 1996	17 Apr 2016	0823884	07 Nov 1996	17 Apr 2006	124	Live - Granted/Re.
Brazil [PCT]	0	PI9608167-8	05 Aug 2003	PI9608167.8	17 Apr 1996	17 Apr 2016	WO96/34828	07 Nov 1996	17 Apr 2006	224	Live - Granted/Re.
Canada [PCT]	0			2216161	17 Apr 1996		WO96/34828	07 Nov 1996	17 Apr 2006	190	Live - Pendi
Switzerland [EP]	0	0823884	19 Sep 2001	96912024.5	17 Apr 1996	17 Apr 2016	0823884	07 Nov 1996	17 Apr 2006	193	Live - Granted/Re.
China [PCT]	0	ZL96193640.1	16 Oct 2002	96193640.1	17 Apr 1996	17 Apr 2016	1183089	07 Nov 1996	17 Apr 2006	300	Live - Granted/Re.
Germany [EP]	0	69615358.0	19 Sep 2001	96912024.5	17 Apr 1996	17 Apr 2016	0823884	07 Nov 1996	17 Apr 2006	324	Live - Granted/Re.
Spain [EP]	0	2165493	19 Sep 2001	96912024.5	17 Apr 1996	17 Apr 2016	0823884	07 Nov 1996	17 Apr 2006	152	Live - Granted/Re.
France [EP]	0	0823884	19 Sep 2001	96912024.5	17 Apr 1996	17 Apr 2016	0823884	07 Nov 1996	17 Apr 2006	189	Live - Granted/Re.
Uni.Kingdom [EP]	0	0823884	19 Sep 2001	96912024.5	17 Apr 1996	17 Apr 2016	0823884	07 Nov 1996	17 Apr 2006	178	Live - Granted/Re.
Indonesia	0			961041	22 Apr 1996			21 Nov 1996			Pending - Allowed/Acc
Italy [EP]	0	0823884	19 Sep 2001	96912024.5	17 Apr 1996	17 Apr 2016	0823884	07 Nov 1996	17 Apr 2006	178	Live - Granted/Re.
Japan [PCT]	0	3594615	10 Sep 2004	532965/96	17 Apr 1996	17 Apr 2016	WO96/34828	07 Nov 1996	10 Sep 2007	134	Live - Granted/Re.
S Korea [PCT]	0	10-421598	24 Feb 2004	707744/97	17 Apr 1996	17 Apr 2016	1999-8218	07 Nov 1996	24 Feb 2007	76	Live - Granted/Re.
Netherlands [EP]	0	0823884	19 Sep 2001	96912024.5	17 Apr 1996	17 Apr 2016	0823884	07 Nov 1996	17 Apr 2006	270	Live - Granted/Re.
Sweden [EP]	0	0823884	19 Sep 2001	96912024.5	17 Apr 1996	17 Apr 2016	0823884	07 Nov 1996	17 Apr 2006	191	Live - Granted/Re.
Taiwan	0	NI-129066	17 Jul 2001	85104836	23 Apr 1996	23 Apr 2016			01 Apr 2006	101	Live - Granted/Re.
South Africa	0	96/3088	31 Dec	96/3088	18 Apr 1996	18 Apr 2016		01 Nov	18 Apr 2006	29	Live - Granted/Re.

1997

1996

Family : 42090

Manager : JACKSON John D

Amorphous silicas and compositions

Business : Ineos Silicas Limited

Base details : 30 Jun 1995

EP

95304614.1

Official Title : AMORPHOUS SILICAS AND ORAL COMPOSITIONS

Technical Merit :

Commercial Merit :

Abstract :

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Australia [PCT]	0	718059	20 Jul 2000	61262/96	10 Jun 1996	10 Jun 2016	WO97/02211	23 Jan 1997	10 Jun 2006	145	Live - Granted/Re
Brazil [PCT]	0			PI9609526.1	10 Jun 1996		WO97/02211	23 Jan 1997	10 Jun 2005	65	Pending - u Examination
China [PCT]	0	ZL96195114.1	14 May 2003	96195114.1	10 Jun 1996	10 Jun 2016	1189142	23 Jan 1997	10 Jun 2005	300	Live - Granted/Re
Germany [EP]	0	69612977.9	23 May 2001	96918686.5	10 Jun 1996	10 Jun 2016	0835223	23 Jan 1997	10 Jun 2005	243	Live - Granted/Re
European [PCT]	0	0835223	23 May 2001	96918686.5	10 Jun 1996	10 Jun 2016	0835223	23 Jan 1997	10 Jun 2001	445	Granted - C
Spain [EP]	0	0835223	23 May 2001	96918686.5	10 Jun 1996	10 Jun 2016	0835223	23 Jan 1997	10 Jun 2005	128	Live - Granted/Re
Finland [EP]	0	0835223	23 May 2001	96918686.5	10 Jun 1996	10 Jun 2016	0835223	23 Jan 1997	10 Jun 2005	210	Live - Granted/Re
France [EP]	0	0835223	23 May 2001	96918686.5	10 Jun 1996	10 Jun 2016	0835223	23 Jan 1997	10 Jun 2005	99	Live - Granted/Re
Uni.Kingdom [EP]	0	0835223	23 May 2001	96918686.5	10 Jun 1996	10 Jun 2016	0835223	23 Jan 1997	10 Jun 2005	158	Live - Granted/Re
India	0			1064/CAL/96	10 Jun 1996						Live - Pend
Italy [EP]	0	0835223	23 May 2001	96918686.5	10 Jun 1996	10 Jun 2016	0835223	23 Jan 1997	10 Jun 2005	127	Live - Granted/Re
Japan [PCT]	0			504745/97	10 Jun 1996		WO97/02211	23 Jan 1997			Pending - u Examination
S Korea [PCT]	0	449132	07 Sep 2004	709859/1997	10 Jun 1996	10 Jun 2016	1999-28541	23 Jan 1997	07 Sep 2007	76	Live - Granted/Re
Mexico [PCT]	0	209179	24 Jul 2002	980022	10 Jun 1996	10 Jun 2016	WO97/02211	23 Jan 1997			Live - Granted/Re
Netherlands [EP]	0	0835223	23 May 2001	96918686.5	10 Jun 1996	10 Jun 2016	0835223	23 Jan 1997	10 Jun 2005	270	Live - Granted/Re
Poland [PCT]	0			P324311	10 Jun 1996		WO97/02211	23 Jan 1997			Pending - Allowed/Ac
Russia [PCT]	0	2171781	10 Aug 2001	98101722	10 Jun 1996	10 Jun 2016	WO97/02211	23 Jan 1997	10 Jun 2005	229	Live - Granted/Re
Taiwan	0	NI-142790	18 Feb	85107375	18 Jun 1996	18 Jun 2016			21 Oct 2005	101	Live - Granted/Re

			2002										
US [PCT]	0	5964937	12 Oct 1999	08/996867	10 Jun 1996	10 Jun 2016	WO97/02211	23 Jan 1997	12 Apr 2006	1150	Live - Granted/Re		
South Africa	0	96/5373	25 Feb 1998	96/5373	25 Jun 1996	25 Jun 2016		30 Dec 1996	25 Jun 2005	27	Live - Granted/Re		

Family : 42091

Manager : JACKSON John D

A24 from metakaolin

Business : Ineos Silicas Limited

Base details : 04 Aug 1995

EP

95305455.8

Official Title :

Technical Merk :

Commercial Merk :

Abstract : P-type zeolite having the oxide formula $M2/n, Al_2O_3, (1.8-2.66) SiO_2, y H_2O$ and having Calcium Binding Capacity of between 100 and 145 mg/g, preferably between 110 and 140 and a Calcium uptake rate of between 12 and 100 seconds, preferably below 50 seconds can be prepared from metakaolin. Date: 4 October 1995

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Austria [EP]	0	E205458	12 Sep 2001	96927045.3	17 Jul 1996	17 Jul 2016	0842115	20 Feb 1997	17 Jul 2005	257	Live - Granted/Re
Australia [PCT]	0	714175	06 Apr 2000	67014/96	17 Jul 1996	17 Jul 2016	WO97/06102	20 Feb 1997	17 Jul 2005	125	Live - Granted/Re
Belgium [EP]	0	0842115	12 Sep 2001	96927045.3	17 Jul 1996	17 Jul 2016	0842115	20 Feb 1997	17 Jul 2005	110	Live - Granted/Re
Brazil [PCT]	0	PI9609890.2	14 Oct 2003	PI9609890.2	17 Jul 1996	17 Jul 2016	WO97/06102	20 Feb 1997	17 Jul 2005	174	Live - Granted/Re
Canada [PCT]	0			2227440	17 Jul 1996		WO97/06102	20 Feb 1997	17 Jul 2005	163	Live - Pend
Switzerland [EP]	0	0842115	12 Sep 2001	96927045.3	17 Jul 1996	17 Jul 2016	0842115	20 Feb 1997	17 Jul 2005	193	Live - Granted/Re
China [PCT]	0	ZL96197154.1	23 Apr 2003	96197154.1	17 Jul 1996	17 Jul 2016	1197442	20 Feb 1997	17 Jul 2005	300	Live - Granted/Re
Germany [EP]	0	69615202.9	12 Sep 2001	96927045.3	17 Jul 1996	17 Jul 2016	0842115	20 Feb 1997	17 Jul 2005	243	Live - Granted/Re
Spain [EP]	0	2163646	12 Sep 2001	96927045.3	17 Jul 1996	17 Jul 2016	0842115	20 Feb 1997	17 Jul 2005	128	Live - Granted/Re
France [EP]	0	0842115	12 Sep 2001	96927045.3	17 Jul 1996	17 Jul 2016	0842115	20 Feb 1997	17 Jul 2005	99	Live - Granted/Re
Uni.Kingdom [EP]	0	0842115	12 Sep 2001	96927045.3	17 Jul 1996	17 Jul 2016	0842115	20 Feb 1997	17 Jul 2005	158	Live - Granted/Re
Greece [EP]	0	20010400399	12 Sep 2001	96927045.3	17 Jul 1996	17 Jul 2016	0842115	20 Feb 1997	17 Jul 2005	106	Live - Granted/Re
Italy [EP]	0	0842115	12 Sep 2001	96927045.3	17 Jul 1996	17 Jul 2016	0842115	20 Feb 1997	17 Jul 2005	127	Live - Granted/Re
Japan [PCT]	0			508062/97	17 Jul 1996		WO97/06102	20 Feb 1997			Live - Pend
S Korea [PCT]	0	10-0474022	21 Feb 2005	700794/1998	17 Jul 1996	17 Jul 2016	99-36126	20 Feb 1997	21 Feb 2008	76	Live - Granted/Re
Netherlands [EP]	0	0842115	12 Sep 2001	96927045.3	17 Jul 1996	17 Jul 2016	0842115	20 Feb 1997	17 Jul 2005	245	Live - Granted/Re

12

20

Portugal [EP]	0	0842115	Sep 2001	96927045.3	17 Jul 1996	17 Jul 2016	0842115	Feb 1997	17 Jul 2005	153	Live - Granted/Re
Sweden [EP]	0	0842115	12 Sep 2001	96927045.3	17 Jul 1996	17 Jul 2016	0842115	20 Feb 1997	17 Jul 2005	173	Live - Granted/Re
US [PCT]	0	6258768	10 Jul 2001	09/011169	17 Jul 1996	17 Jul 2016	WO97/06102	20 Feb 1997	10 Jan 2008	1150	Live - Granted/Re

12 01 01 24

Page 1 of 1

Family : 42092

Manager : JACKSON John D

UV Silicas

Business : Ineos Silicas Limited

Base details : 29 Aug 1995

GB

9517607.9

Official Title : SILICA PRODUCTS and UV CURABLE SYSTEMS

Technical Merit :

Commercial Merit :

Wax coated silica matting agent where in the silica is an amorphous silica having a pore volume of at least 1.5cm³/g, preferably at least 1.8cm³/g, the matting agent being present in the range from 6% to 15% by weight of the matting agent and comprising a synthetic polyethylene wax. Date: 23 November 1995

7 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Australia [PCT]	0	720734	21 Sep 2000	67363/96	20 Jul 1996	20 Jul 2016	WO97/08250	06 Mar 1997	20 Jul 2005	125	Live - Granted/Register
Brazil [PCT]	0	PI9610011-7	14 Oct 2003	PI9610011-7	20 Jul 1996	20 Jul 2016	WO97/08250	06 Mar 1997	20 Jul 2005	174	Live - Granted/Register
Canada [PCT]	0			2229262	20 Jul 1996		WO97/08250	06 Mar 1997	20 Jul 2005	163	Live - Pending
European [PCT]	0			96927584.1	20 Jul 1996		0861298	06 Mar 1997	20 Jul 2005	693	Live - Pending
Japan [PCT]	0			509748/97	20 Jul 1996		WO97/08250	06 Mar 1997			Live - Pending
S Korea [PCT]	0	432458	11 May 2004	701509/1998	20 Jul 1996	20 Jul 2016	99/44273	06 Mar 1997	11 May 2007	76	Live - Granted/Register
US [PCT]	0	6039798	21 Mar 2000	09/029416	20 Jul 1996	20 Jul 2016	WO97/08250	06 Mar 1997	21 Sep 2007	1150	Live - Granted/Register

12 01 01 25

Family : 42095

Manager : JACKSON John D

Exfoliating Silica

Business : Ineos Silicas Limited

Base details : 12 Feb 1996

GB

9602797.4

Official Title : INORGANIC MATERIAL IN PARTICLES FORM

Technical Merit :

Commercial Merit :

Abstract :

20

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Australia [PCT]	0	718002	20 Jul 2000	15420/97	15 Jan 1997	15 Jan 2017	WO97/30126	21 Aug 1997	15 Jan 2006	145	Live - Granted/Regist
Belgium [EP]	0	0956317	06 Nov 2002	97901541.9	15 Jan 1997	15 Jan 2017	0956317	21 Aug 1997	15 Jan 2006	110	Live - Granted/Regist
Brazil [PCT]	0			PI9707494-2	15 Jan 1997		WO97/30126	21 Aug 1997	15 Jan 2006	65	Pending - Allowed/Accep
Switzerland [EP]	0	0956317	06 Nov 2002	97901541.9	15 Jan 1997	15 Jan 2017	0956317	21 Aug 1997	15 Jan 2006	193	Live - Granted/Regist
China [PCT]	0			97192193.8	15 Jan 1997		1210553	21 Aug 1997	15 Jan 2002	0	Live - Pending
Czech Rep. [PCT]	0	293230	13 Jan 2004	PV98/2543	15 Jan 1997	15 Jan 2017	WO97/30126	21 Aug 1997	15 Jan 2006	118	Live - Granted/Regist
Germany [EP]	0	69716952.9	06 Nov 2002	97901541.9	15 Jan 1997	15 Jan 2017	0956317	21 Aug 1997	15 Jan 2006	243	Live - Granted/Regist
European [PCT]	0	0956317	06 Nov 2002	97901541.9	15 Jan 1997	15 Jan 2017	0956317	21 Aug 1997	15 Jan 2003	472	Granted - Oppr
Spain [EP]	0	2187750	06 Nov 2002	97901541.9	15 Jan 1997	15 Jan 2017	0956317	21 Aug 1997	15 Jan 2006	128	Live - Granted/Regist
Finland [EP]	0	0956317	06 Nov 2002	97901541.9	15 Jan 1997	15 Jan 2017	0956317	21 Aug 1997	15 Jan 2006	210	Live - Granted/Regist
France [EP]	0	0956317	06 Nov 2002	97901541.9	15 Jan 1997	15 Jan 2017	0956317	21 Aug 1997	15 Jan 2006	99	Live - Granted/Regist
Uni.Kingdom [EP]	0	0956317	06 Nov 2002	97901541.9	15 Jan 1997	15 Jan 2017	0956317	21 Aug 1997	15 Jan 2006	158	Live - Granted/Regist
Ireland [EP]	0	0956317	06 Nov 2002	97901541.9	15 Jan 1997	15 Jan 2017	0956317	21 Aug 1997	15 Jan 2006	173	Live - Granted/Regist
Italy [EP]	0	0956317	06 Nov 2002	97901541.9	15 Jan 1997	15 Jan 2017	0956317	21 Aug 1997	15 Jan 2006	127	Live - Granted/Regist
Japan [PCT]	0			9-528921/97	15 Jan 1997		2000-504666	21 Aug 1997			Live - Pending
S Korea [PCT]	0	10-421597	24 Feb 2004	706214/98	15 Jan 1997	15 Jan 2017	82481/99	21 Aug 1997	24 Feb 2007	76	Live - Granted/Regist
Mexico [PCT]	0	202597	22 Jun 2001	986477	15 Jan 1997	15 Jan 2017	WO97/30126	21 Aug 1997			Live - Granted/Regist
Netherlands			06		15 Jan	15 Jan		21	15 Jan		Live -

[EP]	0	0956317	Nov 2002	97901541.9	1997	2017	0956317	Aug 1997	2006	245	Granted/Regist
Russia [PCT]	0	2177971	10 Jan 2002	98117130	15 Jan 1997	15 Jan 2017	WO97/30126	21 Aug 1997	15 Jan 2006	229	Live - Granted/Regist
US [PCT]	0	6165510	28 Dec 2000	09/117979	15 Jan 1997	15 Jan 2017	WO97/30126	21 Aug 1997	26 Jun 2007	1150	Live - Granted/Regist

12 01 01 26

Family : 42096

Manager : JACKSON John D

Lion Silica

Business : Ineos Silicas Limited

Base details : 19 Jan 1996

GB

9601084.8

Official Title : AMORPHOUS SILICAS AND ORAL COMPOSITIONS

Technical Merit :

Commercial Merit :

Abstract :

14 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Brazil	0			PI9700718-8	17 Jan 1997		RPI1450	06 Oct 1998	17 Jan 2006	65	Live - Pending
Switzerland [EP]	0	0785169	07 Aug 2002	96309089.9	10 Jan 1997	10 Jan 2017	785169	23 Jul 1997	10 Jan 2006	193	Live - Granted/Registered
China	0			97102989.X	18 Jan 1997		1165647	26 Nov 1997	18 Jan 2002	0	Live - Pending
Germany [EP]	0	69714485.2	07 Aug 2002	96309089.9	10 Jan 1997	10 Jan 2017	785169	23 Jul 1997	10 Jan 2006	243	Live - Granted/Registered
Spain [EP]	0	2181856	07 Aug 2002	96309089.9	10 Jan 1997	10 Jan 2017	785169	23 Jul 1997	10 Jan 2006	128	Live - Granted/Registered
France [EP]	0	0785169	07 Aug 2002	96309089.9	10 Jan 1997	10 Jan 2017	785169	23 Jul 1997	10 Jan 2006	99	Live - Granted/Registered
Unl.Kingdom [EP]	0	0785169	07 Aug 2002	96309089.9	10 Jan 1997	10 Jan 2017	785169	23 Jul 1997	10 Jan 2006	158	Live - Granted/Registered
Ireland [EP]	0	0785169	07 Aug 2002	96309089.9	10 Jan 1997	10 Jan 2017	785169	23 Jul 1997	10 Jan 2006	173	Live - Granted/Registered
India	0	188314	13 Jun 2003	27/BOM/97	17 Jan 1997	17 Jan 2017			17 Jan 2005	81	Live - Granted/Registered
Italy [EP]	0	0785169	07 Aug 2002	96309089.9	10 Jan 1997	10 Jan 2017	785169	23 Jul 1997	10 Jan 2006	127	Live - Granted/Registered
Mexico	0			970482	17 Jan 1997			19 Jul 1997			Pending - Allowed/Accepted
Netherlands [EP]	0	0785169	07 Aug 2002	96309089.9	10 Jan 1997	10 Jan 2017	785169	23 Jul 1997	10 Jan 2006	245	Live - Granted/Registered
United States	2	6399111	04 Jun 2002	09/395769	14 Sep 1999	10 Jun 2016			04 Dec 2005	505	Live - Granted/Registered
South Africa	0	97/0357	30 Sep 1998	97/0357	16 Jan 1997	16 Jan 2017		19 Jul 1997	16 Jan 2006	27	Live - Granted/Registered

Family : 42097

Manager : JACKSON John D

A48 Map Silicate

Business : Ineos Silicas Limited

Base details : 15 Mar 1996

GB

9605533.0

Official Title : MODIFIED ALUMINOSILICATE

Technical Merit :

Commercial Merit :

Abstract :

9

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Australia [PCT]	0	725258	25 Jan 2001	20260/97	07 Mar 1997	07 Mar 2017	WO97/34980	25 Sep 1997	07 Mar 2006	145	Live - Granted/Regist
Brazil [PCT]	0			PI9708055.1	07 Mar 1997		WO97/34980	25 Sep 1997	07 Mar 2006	65	Live - Pending
China [PCT]	0	ZL97193060.0	11 Feb 2004	97193060.0	07 Mar 1997	07 Mar 2017	1213396	25 Sep 1997	07 Mar 2006	167	Live - Granted/Regist
Czech Rep. [PCT]	0	294911	09 Feb 2005	PV98-2938	07 Mar 1997	07 Mar 2017	WO97/34980	25 Sep 1997	07 Mar 2006	118	Live - Granted/Regist
European [PCT]	0			97908207.0	07 Mar 1997		0892843	25 Sep 1997	07 Mar 2006	693	Live - Pending
Hungary [PCT]	0	223053	05 Dec 2003	P9902096	07 Mar 1997	07 Mar 2017	WO97/34980	25 Sep 1997	07 Mar 2006	360	Live - Granted/Regist
Japan [PCT]	0			9-533108	07 Mar 1997		2000-506922	25 Sep 1997			Live - Pending
S Korea [PCT]	0	464891	24 Dec 2004	1998-707274	07 Mar 1997	07 Mar 2017	2000-64597	25 Sep 1997	24 Dec 2007	76	Live - Granted/Regist
US [PCT]	0	6448218	10 Sep 2002	09/142652	07 Mar 1997	07 Mar 2017	WO97/34980	25 Sep 1997	10 Mar 2006	505	Live - Granted/Regist

Family : 42098

Manager : JACKSON John D

EP350 Low Pore Volume

Business : Ineos Silicas Limited

Base details : 01 May 1996

GB

9609150.9

Official Title : POROUS INORGANIC CATALYST SUPPORT

Technical Merit :

Commercial Merit :

Abstract :

4 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Belgium [EP]	0	0805164	18 Sep 2002	97302569.5	15 Apr 1997	15 Apr 2017	0805164	05 Nov 1997	15 Apr 2006	110	Live - Granted/Registered
Germany [EP]	0	69715505.6	18 Sep 2002	97302569.5	15 Apr 1997	15 Apr 2017	0805164	05 Nov 1997	15 Apr 2006	243	Live - Granted/Registered
Uni.Kingdom [EP]	0	0805164	18 Sep 2002	97302569.5	15 Apr 1997	15 Apr 2017	0805164	05 Nov 1997	15 Apr 2006	158	Live - Granted/Registered
United States	0	5914291	22 Jun 1999	08/847260	01 May 1997	01 May 2017			22 Dec 2006	1150	Live - Granted/Registered

Family : 42104

Manager : JACKSON John D

A24 Silicate Slurry

Business : Ineos Silicas Limited

Base details : 30 Apr 1997

GB

9708831.4

Official Title : Zeolite A24 (suspension with high storage stability)

Technical Merit :

Commercial Merit :

Abstract :

8

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Belgium [EP]	0	0991607	10 Oct 2001	98919316.4	27 Apr 1998	27 Apr 2018	0991607	05 Nov 1998	27 Apr 2006	97	Live - Granted/Regis
Brazil [PCT]	0			PI9809383.5	27 Apr 1998		WO98/49116	05 Nov 1998	27 Apr 2006	65	Live - Pending
Germany [EP]	0	69801995.4	10 Oct 2001	98919316.4	27 Apr 1998	27 Apr 2018	0991607	05 Nov 1998	27 Apr 2006	203	Live - Granted/Regis
France [EP]	0	0991607	10 Oct 2001	98919316.4	27 Apr 1998	27 Apr 2018	0991607	05 Nov 1998	27 Apr 2006	99	Live - Granted/Regis
Uni.Kingdom [EP]	0	0991607	10 Oct 2001	98919316.4	27 Apr 1998	27 Apr 2018	0991607	05 Nov 1998	27 Apr 2006	138	Live - Granted/Regis
Italy [EP]	0	0991607	10 Oct 2001	98919316.4	27 Apr 1998	27 Apr 2018	0991607	05 Nov 1998	27 Apr 2006	110	Live - Granted/Regis
Netherlands [EP]	0	0991607	10 Oct 2001	98919316.4	27 Apr 1998	27 Apr 2018	0991607	05 Nov 1998	27 Apr 2006	270	Live - Granted/Regis
South Africa	0	98/3694	26 Jan 2000	98/3694	30 Apr 1998	30 Apr 2018		30 Oct 1998	30 Apr 2006	27	Live - Granted/Regis

Family : 42356

Manager : JACKSON John D

Zeolite MAP

Business : Ineos Silicas Limited

Base details : 03 Nov 1988

GB

8825783.7

Official Title :

Technical Merit :

Commercial Merit :

Abstract : Use of maximum aluminium zeolite P (zeolite MAP) of Si:A1 ratio <= 1.33 in detergent compositions; zeolite MAP of Si:A1 ratio <= 1.07 as a novel material

18 r

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Austria [EP]	0	E127514	06 Sep 1995	89311284.7	01 Nov 1989	01 Nov 2009	384070	29 Aug 1990	01 Nov 2007	984	Live - Granted/Registe
Australia	0	631143	12 Mar 1993	43966/89	01 Nov 1989	01 Nov 2009		03 May 1990	01 Nov 2005	282	Live - Granted/Registe
Belgium [EP]	0	384070	06 Sep 1995	89311284.7	01 Nov 1989	01 Nov 2009	384070	29 Aug 1990	01 Nov 2005	248	Live - Granted/Registe
Brazil	0	PI8905601.9	27 Jul 1999	PI8905601.9	01 Nov 1989	01 Nov 2009		29 May 1990	01 Nov 2005	267	Live - Granted/Registe
Canada	0	2001927	21 Dec 1999	2001927	31 Oct 1989	31 Oct 2009		03 May 1990	31 Oct 2005	194	Live - Granted/Registe
Switzerland [EP]	0	384070	06 Sep 1995	89311284.7	01 Nov 1989	01 Nov 2009	384070	29 Aug 1990	01 Nov 2005	193	Live - Granted/Registe
Germany [EP]	0	68924152	06 Sep 1995	89311284.7	01 Nov 1989	01 Nov 2009	384070	29 Aug 1990	01 Nov 2005	956	Live - Granted/Registe
Spain [EP]	0	384070	06 Sep 1995	89311284.7	01 Nov 1989	01 Nov 2009	384070	29 Aug 1990	01 Nov 2005	308	Live - Granted/Registe
France [EP]	0	384070	06 Sep 1995	89311284.7	01 Nov 1989	01 Nov 2009	384070	29 Aug 1990	01 Nov 2005	364	Live - Granted/Registe
Uni.Kingdom [EP]	0	384070	06 Sep 1995	89311284.7	01 Nov 1989	01 Nov 2009	384070	29 Aug 1990	01 Nov 2005	308	Live - Granted/Registe
Greece [EP]	0	950402818	06 Sep 1995	89311284.7	01 Nov 1989	01 Nov 2009	384070	29 Aug 1990	01 Nov 2005	256	Live - Granted/Registe
Italy [EP]	0	384070	06 Sep 1995	89311284.7	01 Nov 1989	01 Nov 2009	384070	29 Aug 1990	01 Nov 2005	379	Live - Granted/Registe
Japan	0	2759096	20 Mar 1998	287299/89	02 Nov 1989	02 Nov 2009	173094/90	04 Jul 1990	20 Mar 2006	244	Live - Granted/Registe
Netherlands [EP]	0	384070	06 Sep 1995	89311284.7	01 Nov 1989	01 Nov 2009	384070	29 Aug 1990	01 Nov 2005	456	Live - Granted/Registe
Sweden [EP]	0	384070	06 Sep 1995	89311284.7	01 Nov 1989	01 Nov 2009	384070	29 Aug 1990	01 Nov 2005	287	Live - Granted/Registe
United States	1	5374370	20 Dec 1994	08/012807	02 Feb 1993	20 Dec 2011			20 Jun 2006	1768	Live - Granted/Registe
United States	2	5512266	30 Apr 1996	08/301409	07 Sep 1994	30 Apr 2013			30 Oct 2007	1768	Live - Granted/Registe

South Africa	0	89/8383	31 Jul 1991	89/8383	03 Nov 1989	03 Nov 2009	03 May 1990	03 Nov 2005	34 Live - Granted/Registe
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12 01 01 31

Page 1 of 1

Family : 42392

Manager : JACKSON John D

Method of Agglomerating particulate material

Business : Ineos Silicas Limited

Base details : 12 Dec 1995

ZA

95/10532

Official Title :

Technical Merk :

Commercial Merk :

Abstract :

2 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
South Africa	2	96/10132	26 Aug 1998	96/10132	03 Dec 1996	03 Dec 2016		12 Jun 1997	03 Dec 2005	27	Live - Granted/Registered
Zimbabwe	0	106/97	04 Sep 1998	106/97	11 Dec 1997	11 Dec 2017			11 Dec 2005		Live - Granted/Registered

Family : 50614

Manager : JACKSON John D

PEG-Coated Silicas for Toothpaste

Business : Ineos Silicas Limited

Base details : 05 Jun 1998

GB

9812082.7

Official Title : Particulate Materials for use in Dentifrice Compositions

Technical Merit :

Commercial Merit :

Abstract :

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Brazil [PCT]	0			PI 9910963-8	01 Jun 1999		WO99/63958	16 Dec 1999	01 Jun 2005	65	Live - Pend
China [PCT]	0	ZL99809353.X	09 Jun 2004	99809353.X	01 Jun 1999	01 Jun 2019	1311659	16 Dec 1999	01 Jun 2002	111	Live - Granted/Re
Indonesia [PCT]	0			W-20002668	01 Jun 1999		WO99/63958	16 Dec 1999			Live - Pend
India [PCT]	0			20000706/MUM	01 Jun 1999		WO99/63958	16 Dec 1999			Live - Pend

12 01 01 33

Family : 50783

Manager : JACKSON John D

Iron Salt Based Humidity Indicators

Business : Ineos Silicas Limited

Base details : 22 Apr 1999

GB

9909219.9

Official Title : Humidity Indicators

Technical Merit :

Commercial Merit :

Abstract :

9 row

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Brazil [PCT]	0			PI0009872-8	12 Apr 2000		WO00/65339	02 Nov 2000	12 Apr 2006	65	Live - Pending
China	2			20040012027.9	12 Apr 2000		1590987	09 Mar 2005	12 Apr 2005	0	Live - Pending
China [PCT]	0			00806501.2	12 Apr 2000		1347497	02 Nov 2000	12 Apr 2002	0	Live - Pending
Europe	2			04003731.9	12 Apr 2000		1431761	23 Jun 2004	12 Apr 2006	505	Live - Pending
European [PCT]	0			00919063.8	12 Apr 2000		1185861	02 Nov 2000	12 Apr 2006	505	Live - Pending
Japan [PCT]	0			614028/2000	12 Apr 2000		WO00/65339	02 Nov 2000			Live - Pending
S Korea [PCT]	0			10-2001-7013413	12 Apr 2000		2002-22649	02 Nov 2000			Live - Pending
United States	2			10/841522	10 May 2004						Live - Pending
US [PCT]	0	6753184	22 Jun 2004	09/959121	12 Apr 2000	12 Apr 2020	WO00/65339	02 Nov 2000	22 Dec 2007	505	Live - Granted/Registered

Family : 50874

Manager : JACKSON John D

Zeolite Compositions and their use

Business : Ineos Silicas Limited

Base details : 02 Jun 2000

GB

0013406.4

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

7 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
China [PCT]	0			01810573.4	23 May 2001		1432056	13 Dec 2001	23 May 2003	0	Live - Pending
European [PCT]	0			01936616.0	23 May 2001		1294840	13 Dec 2001	23 May 2006	489	Live - Pending
India [PCT]	0			2002/01653/MUM	23 May 2001		WO01/94512	13 Dec 2001			Live - Pending
Japan [PCT]	0			502055/2002	23 May 2001		WO01/94512	13 Dec 2001			Live - Pending
S Korea [PCT]	0			10-2002-7016382	23 May 2001		2003-36207	13 Dec 2001			Live - Pending
Mexico [PCT]	0			PA/A/2002/017782	23 May 2001		WO01/94512	13 Dec 2001			Live - Pending
US [PCT]	0			10/296902	23 May 2001		WO01/94512	13 Dec 2001			Live - Pending

12 01 01 35

Page 1 of 1

Family : 50924

Manager : JACKSON John D

Method of Treating Aqueous Compositions

Business : Ineos Silicas Limited

Base details : 02 Nov 2000

GB

0026784.9

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

1 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Thailand	0			069408	31 Oct 2001		57076	04 Jul 2003			Live - Pending

Family : 50939

Manager : JACKSON John D

Stabilising Beverages - Wisp

Business : Ineos Silicas Limited

Base details : 22 Jan 2001

GB

0101507.2

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Argentina	0			P020100183	18 Jan 2002						Live - Per
Australia [PCT]	0			2002217323	07 Jan 2002		WO02/057403	25 Jul 2002	07 Jan 2007	0	Live - Per
Brazil [PCT]	0			PI0206589-4	07 Jan 2002		WO02/057403	25 Jul 2002	07 Jan 2006	65	Live - Per
Canada [PCT]	0			2432862	07 Jan 2002		WO02/057403	25 Jul 2002	07 Jan 2006	111	Live - Per
Chile	0			2002-0107	21 Jan 2002						Live - Per
China [PCT]	0			02803926.2	07 Jan 2002		1487993	25 Jul 2002			Live - Per
Czech Rep.[PCT]	0			PV2003-1987	07 Jan 2002		WO02/057403	25 Jul 2002			Live - Per
European [PCT]	0			02732125.6	07 Jan 2002		1354027	25 Jul 2002	07 Jan 2006	297	Live - Per
India [PCT]	0			612/MUMNP/2003	07 Jan 2002		WO02/057403	25 Jul 2002			Live - Per
Japan [PCT]	0			558460/2002	07 Jan 2002		WO02/057403	25 Jul 2002			Live - Per
S Korea [PCT]	0			10-2003-7009640	07 Jan 2002		2003-81389	25 Jul 2002			Live - Per
Mexico [PCT]	0			PA/A/2003/006273	07 Jan 2002		WO02/057403	25 Jul 2002			Live - Per
Malaysia	0			PI20020183	18 Jan 2002						Live - Per
Poland [PCT]	0			P-362751	07 Jan 2002		WO02/057403	25 Jul 2002			Live - Per
Russia [PCT]	0			2003125877	07 Jan 2002		WO02/057403	25 Jul 2002	07 Jan 2004	104	Live - Per
Thailand	0			071264	18 Jan 2002		58747	07 Oct 2003			Live - Per
Taiwan	0			91100069	04 Jan 2002						Live - Per
US [PCT]	0			10/466608	07 Jan 2002		20004/0062835	25 Jul 2002			Live - Per
Venezuela	0			038-2002	07 Jan			01 Nov			Live - Per

South Africa	0	2003/4911	24 Nov 2004	2003/4911	2002 07 Jan 2002	07 Jan 2022	WO02/057403	2004 25 Jul 2002	Live - Granted/f
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12 01 01 37

Page 1 of 1

Family : 50940

Manager : JACKSON John D

Silica - Based Indicating Desiccants (Chameleon 2)

Business : Ineos Silicas Limited

Base details : 19 Jan 2001

GB

0101381.2

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

5 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
China [PCT]	0			02803847.9	04 Jan 2002		WO02/057772	25 Jul 2002			Live - Pending
European [PCT]	0			02732123.1	04 Jan 2002		1352236	25 Jul 2002	04 Jan 2006	297	Live - Pending
Japan [PCT]	0			558002/2002	04 Jan 2002		WO02/057772	25 Jul 2002			Live - Pending
Malaysia	0			PI20020172	17 Jan 2002						Live - Pending
US [PCT]	0			10/466538	04 Jan 2002		004-0051081-A1	25 Jul 2002			Live - Pending

12 01 01 38

Page 1 of 1

Family : 50944

Manager : JACKSON John D

SILICATE BINDERS

Business : Ineos Silicas Limited

Base details : 12 Feb 2001

GB

0103278.8

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

1 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
South Africa	0	2003/5964	29 Sep 2004	2003/5964	31 Jan 2002	31 Jan 2022	WO02/064846	22 Aug 2002	31 Jan 2006	23	Live - Granted/Registered

Family : 50956

Manager : JACKSON John D

Granular Compositions (GRANOC)

Business : Ineos Silicas Limited

Base details : 08 May 2001

GB

0111043.6

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

2 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Brazil [PCT]	0			PI0209504.1	23 Apr 2002		WO02/090487	14 Nov 2002	23 Apr 2006	65	Live - Pending
European [PCT]	0			02716953.1	23 Apr 2002		1387881	14 Nov 2002	23 Apr 2006	297	Live - Pending

Family : 60001

Manager : JACKSON John D

Oral Compositions

Business : Ineos Silicas Limited

Base details : 01 Nov 2001

GB

0126244.3

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

4 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
European [PCT]	0			02767677.4	01 Oct 2002		1439814	08 May 2003	01 Oct 2005	280	Live - Pending
India [PCT]	0			00720/DELNP/2004	01 Oct 2002		WO03/037285	08 May 2003			Live - Pending
Japan [PCT]	0			2003-539631	01 Oct 2002		WO03/037285	08 May 2003			Live - Pending
US [PCT]	0			10/490486	01 Oct 2002		2004-0241108-A1	08 May 2003			Live - Pending

12 01 01 41

Family : 60002

Manager : JACKSON John D

Silica Matting Agent (Hydrophilic Wax)

Business : Ineos Silicas Limited

Base details : 13 Nov 2001

GB

0127220.2

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

14

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Belgium [EP]	0	1446447	06 Apr 2005	02803060.9	17 Oct 2002	17 Oct 2022	1446447	22 May 2003	17 Oct 2005	280	Live - Granted/Regis
Brazil [PCT]	0			PI0214003-9	17 Oct 2002				17 Oct 2005	65	Live - Pending
China [PCT]	0			02822370.5	17 Oct 2002		1585800	23 Feb 2005			Live - Pending
Germany [EP]	0	1446447	06 Apr 2005	02803060.9	17 Oct 2002	17 Oct 2022	1446447	22 May 2003	17 Oct 2005	280	Live - Granted/Regis
Finland [EP]	0	1446447	06 Apr 2005	02803060.9	17 Oct 2002	17 Oct 2022	1446447	22 May 2003	17 Oct 2005	280	Live - Granted/Regis
France [EP]	0	1446447	06 Apr 2005	02803060.9	17 Oct 2002	17 Oct 2022	1446447	22 May 2003	17 Oct 2005	280	Live - Granted/Regis
Uni.Kingdom [EP]	0	1446447	06 Apr 2005	02803060.9	17 Oct 2002	17 Oct 2022	1446447	22 May 2003	17 Oct 2005	280	Live - Granted/Regis
India [PCT]	0			01242/DELNP/2004	17 Oct 2002						Live - Pending
Italy [EP]	0	1446447	06 Apr 2005	02803060.9	17 Oct 2002	17 Oct 2022	1446447	22 May 2003	17 Oct 2005	280	Live - Granted/Regis
Japan [PCT]	0			2003-544123	17 Oct 2002						Live - Pending
S Korea [PCT]	0			10-2004-7007182	17 Oct 2002						Live - Pending
Malaysia	0			PI20024204	11 Nov 2002						Live - Pending
Sweden [EP]	0	1446447	06 Apr 2005	02803060.9	17 Oct 2002	17 Oct 2022	1446447	22 May 2003	17 Oct 2005	280	Live - Granted/Regis
US [PCT]	0			10/495482	17 Oct 2002		US2005-0065268	24 Mar 2005			Live - Pending

12 01 01 42

Family : 60003

Manager : JACKSON John D

Amorphous Silicas (High Cleaning Dental)

Business : Ineos Silicas Limited

Base details : 22 Dec 2001

GB

0130907.9

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

12 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Brazil [PCT]	0			PI0214985-0	29 Nov 2002				29 Nov 2005	65	Live - Pending
China [PCT]	0			02825742.1	29 Nov 2002						Live - Pending
European [PCT]	0			02781424.3	29 Nov 2002		1456125	10 Jul 2003	29 Nov 2005	280	Live - Pending
Indonesia [PCT]	0			W00200401312	29 Nov 2002						Live - Pending
India [PCT]	0			1507/DELNP/22004	29 Nov 2002						Live - Pending
Japan [PCT]	0			2003-556345	29 Nov 2002						Live - Pending
S Korea [PCT]	0			10-20004-7009815	29 Nov 2002		10-2004-76281	31 Aug 2004			Live - Pending
Russia [PCT]	0			20004122476	29 Nov 2002				29 Nov 2004	104	Live - Pending
Thailand	0			078972	20 Dec 2002		66559	21 Jan 2005			Live - Pending
Taiwan	0			091136826	20 Dec 2002		200304383	01 Oct 2003			Live - Pending
US [PCT]	0			AWAITED	29 Nov 2002						Live - Pending
Venezuela	0			2526-2002	23 Dec 2002						Live - Pending

12 01 01 43

Family : 60004

Manager : JACKSON John D

Powder Coating Compositions

Business : Ineos Silicas Limited

Base details : 16 Sep 2002

GB

0221430.2

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

17 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Australia [PCT]	0			2003255814	20 Aug 2003		WO2004/024834	25 Mar 2004			Live - Pending
Brazil [PCT]	0			PI0313995-6	20 Aug 2003		WO2004/024834	25 Mar 2004			Live - Pending
Canada [PCT]	0			2494412	20 Aug 2003		WO2004/024834	25 Mar 2004	20 Aug 2005	111	Live - Pending
China [PCT]	0			03821864.X	20 Aug 2003		WO2004/024834	25 Mar 2004			Live - Pending
European [PCT]	0			03795050.8	20 Aug 2003		WO2004/024834	25 Mar 2004	20 Aug 2005	263	Live - Pending
Indonesia [PCT]	0			WOO200500631	20 Aug 2003		WO2004/024834	25 Mar 2004			Live - Pending
India [PCT]	0			514/DELNP/2005	20 Aug 2003		WO2004/024834	25 Mar 2004			Live - Pending
Japan [PCT]	0			2004-535623	20 Aug 2003		WO2004/024834	25 Mar 2004			Live - Pending
S Korea [PCT]	0			10-2005-7004395	20 Aug 2003		WO2004/024834	25 Mar 2004			Live - Pending
Mexico [PCT]	0			PA/A/2005/002929	20 Aug 2003		WO2004/024834	25 Mar 2004			Live - Pending
Malaysia	0			PI20033477	12 Sep 2003						Live - Pending
Poland [PCT]	0			P374538	20 Aug 2003		WO2004/024834	25 Mar 2004			Live - Pending
Taiwan	0			092124226	02 Sep 2003		200420691	16 Oct 2004			Live - Pending
US [PCT]	0			10/527,837	20 Aug 2003		WO2004/024834	25 Mar 2004			Live - Pending
Viet Nam [PCT]	0			1-2005-00377	20 Aug 2003		WO2004/024834	25 Mar 2004			Live - Pending
P.C.T.	0			PCT/GB03/03626	20 Aug 2003		WO2004/024834	25 Mar 2004			Live - Pending
South Africa	0			2005/01062	20 Aug 2003		WO2004/024834	25 Mar 2004			Live - Pending

Family : 60006

Manager : JACKSON John D

Stabilised Aluminosilicate Slurries

Business : Ineos Silicas Limited

Base details : 30 Oct 2002

GB

0225177.5

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

12 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Australia [PCT]	0			AWAITED	22 Oct 2003		WO2004/040061	13 May 2004			Live - Pending
Brazil [PCT]	0			AWAITED	22 Oct 2003		WO2004/040061	13 May 2004			Live - Pending
Canada [PCT]	0			AWAITED	22 Oct 2003		WO2004/040061	13 May 2004			Live - Pending
China [PCT]	0			AWAITED	22 Oct 2003		WO2004/040061	13 May 2004			Live - Pending
European [PCT]	0			AWAITED	22 Oct 2003		WO2004/040061	13 May 2004			Live - Pending
Indonesia [PCT]	0			AWAITED	22 Oct 2003		WO2004/040061	13 May 2004			Live - Pending
Japan [PCT]	0			AWAITED	22 Oct 2003		WO2004/040061	13 May 2004			Live - Pending
S Korea [PCT]	0			AWAITED	22 Oct 2003		WO2004/040061	13 May 2004			Live - Pending
Mexico [PCT]	0			AWAITED	22 Oct 2003		WO2004/040061	13 May 2004			Live - Pending
Norway [PCT]	0			20051690	22 Oct 2003	22 Oct 2023	WO2004/040061	13 May 2004			Live - Pending
US [PCT]	0			AWAITED	22 Oct 2003		WO2004/040061	13 May 2004			Live - Pending
South Africa	0			2005/02877	22 Oct 2003		WO2004/040061	13 May 2004			Live - Pending

12 01 01 45

Page 1 of 1

Family : 60007

Manager : JACKSON John D

Silicate Compositions

Business : Ineos Silicas Limited

Base details : 14 Nov 2002

GB

0226511.4

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

1 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
P.C.T.	0			GB2003/004922	13 Nov 2003		WO2004/043860	27 May 2004			Live - Pending

12 01 01 46

Family : 60008

Manager : JACKSON John D

Antimony Silicate Sorbent for Removal of Metal Ions

Business : Ineos Silicas Limited

Base details : 14 May 1998

GB

9810268.4

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

9

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Germany [EP]	0	69906724.3	09 Apr 2003	99920951.3	13 May 1999	13 May 2019	1080473	18 Nov 1999	13 May 2006	169	Live - Granted/Regis
Finland [EP]	0	1080473	09 Apr 2003	99920951.3	13 May 1999	13 May 2019	1080473	18 Nov 1999	13 May 2006	166	Live - Granted/Regis
France [EP]	0	1080473	09 Apr 2003	99920951.3	13 May 1999	13 May 2019	1080473	18 Nov 1999	13 May 2006	99	Live - Granted/Regis
Uni.Kingdom [EP]	0	1080473	09 Apr 2003	99920951.3	13 May 1999	13 May 2019	1080473	18 Nov 1999	13 May 2006	118	Live - Granted/Regis
Japan [PCT]	0			2000-548887	13 May 1999		WO99/59161	18 Nov 1999			Live - Pending
S Korea [PCT]	0			2000-7012748	13 May 1999		WO99/59161	18 Nov 1999			Live - Pending
Russia [PCT]	0	2219996	27 Dec 2003	2000131208	13 May 1999	13 May 2019	WO99/59161	18 Nov 1999	13 May 2006	169	Live - Granted/Regis
United States	2			10/675138	30 Sep 2003		2004-0065620	08 Apr 2004			Live - Pending
US [PCT]	0			09/674596	13 May 1999		WO99/59161	18 Nov 1999			Live - Pending

12010147

Page 1 of 1

Family : 60009

Manager : COLLINGWOOD Anthony

Chameleon III

Business : Ineos Silicas Limited

Base details : 19 Mar 2003

GB

0306278.3

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

2 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
United Kingdom	0			0306278.3	19 Mar 2003		2401072	03 Nov 2004			Live - Pending
P.C.T.	0			PCT/GB2004/000250	21 Jan 2004		WO20004/083849	30 Sep 2004			Live - Pending

Family : 50482

Manager : JACKSON John D

Metal compounds as Phosphate Binders

Business : Ineos Silicas Limited

Base details : 19 Sep 1997

GB

9720061.2

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

12 row

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Brazil [PCT]	0			PI9812223.1	18 Sep 1998		WO99/15189	01 Apr 1999	18 Sep 2006	65	Live - Pending
Canada [PCT]	0			2303820	18 Sep 1998		WO99/15189	01 Apr 1999	18 Sep 2006	163	Live - Pending
China [PCT]	0			98809233.6	18 Sep 1998		CN1270526A	01 Apr 1999	18 Sep 2001	0	Live - Pending
European [PCT]	0			98944055.7	18 Sep 1998		1015002	01 Apr 1999	18 Sep 2006	660	Live - Pending
Hungary [PCT]	0			P0004527	18 Sep 1998		WO99/15189	01 Apr 1999	18 Sep 2006	360	Live - Pending
Japan [PCT]	0			512558/2000	18 Sep 1998		2001-517633A	01 Apr 1999			Live - Pending
S Korea [PCT]	0			7002892-10-2000	18 Sep 1998		WO99/15189	01 Apr 1999			Live - Pending
Mexico [PCT]	0			002379	18 Sep 1998		WO99/15189	01 Apr 1999			Live - Pending
NewZealand [PCT]	0	503136	09 Aug 2001	503136	18 Sep 1998	18 Sep 2018	WO99/15189	01 Apr 1999	18 Sep 2008	200	Live - Granted/Registered
Poland [PCT]	0			P339079	18 Sep 1998		WO99/15189	01 Apr 1999			Live - Pending
United States	2			10/615797	10 Jul 2003						Live - Pending
US [PCT]	0			09/508923	18 Sep 1998		WO99/15189	01 Apr 1999			Pending - Allowed/Accepted

Family : 60010

Manager : JACKSON John D

Dental Abrasive System (silica/zeolite)

Business : Ineos Silicas Limited

Base details : 09 Jan 2004

GB

0400415.6

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

3 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
United Kingdom	0			0400415.6	09 Jan 2004						Live - Pending
United States	0			60/535516	09 Jan 2004						Live - Pending
P.C.T.	0			PCT/GB2005/000011	05 Jan 2005		WO2005/065634	21 Jul 2005			Live - Pending

Family : 60011

Manager : JACKSON John D

Dental Abrasive System (zeolite/STPP)

Business : Ineos Silicas Limited

Base details : 09 Jan 2004

GB

0400414.9

Official Title :

Technical Merk :

Commercial Merit :

Abstract :

3 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
United Kingdom	0			0400414.9	09 Jan 2004						Live - Pending
United States	0			60/535269	09 Jan 2004						Live - Pending
P.C.T.	0			PCT/GB2005/000006	05 Jan 2005		WO2005/065636	21 Jul 2005			Live - Pending

Family : 60012

Manager : JACKSON John D

Dentifrice Compositions Containing Zeolites

Business : Ineos Silicas Limited

Base details : 09 Jan 2004

GB

0400408.1

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

3 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
United Kingdom	0			0400408.1	09 Jan 2004						Live - Pending
Thailand	0			096789	05 Jan 2005						Live - Pending
P.C.T.	0			PCT/GB2005/000004	05 Jan 2005		WO2005/065835	21 Jul 2005			Live - Pending

Family : 60014

Manager : COLLINGWOOD Anthony

Zeolite Extenders for plastic masterbatches

Business : Ineos Silicas Limited

Base details : 14 May 2004

GB

0410775.1

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

4 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
United Kingdom	0			0410775.1	14 May 2004						Live - Pending
Malaysia	0			PI20052193	13 May 2005						Live - Pending
Thailand	0			100386	11 May 2005						Live - Pending
P.C.T.	0			PCT/GB05/001794	11 May 2005						Live - Pending

Family : 60015

Manager : COLLINGWOOD Anthony

Stabilised Aluminosilicate Slurries

Business : Ineos Silicas Limited

Base details : 13 May 2004

GB

0410697.7

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

4 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
United Kingdom	0			0410697.7	13 May 2004						Live - Pending
Malaysia	0			PI20052157	12 May 2005						Live - Pending
Thailand	0			100327	06 May 2005						Live - Pending
P.C.T.	0			PCT/GB05/001728	06 May 2005						Live - Pending

Family : 60017

Manager : COLLINGWOOD Anthony

Calcination - Project Hypo

Business : Ineos Silices Limited

Base details : 10 Feb 2005

GB

0502787.5

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

1 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
United Kingdom	0			0502787.5	10 Feb 2005						Live - Pending

Family : 60018

Manager : COLLINGWOOD Anthony

Silicate Base Coatings

Business : Ineos Silicas Limited

Base details : 26 Jul 2006

EP

05254632

Official Title :

Technical Merit :

Commercial Merit :

Abstract :

1 rows

Country	Country No.	Grant No	Grant Date	Application No	Application Date	Expiry date	OPI No	OPI Date	Renewal Date	Renewal Cost	Status
Europe	0			05254632	26 Jul 2005				26 Jul 2007	263	Live - Pending

CHANGES IN IPR PORTFOLIO STATUS SINCE CRYSTAL/WINCHESTER

Patent Case Number	Change in Status	Concomitant Changes
42090	Granted in Poland	
42095	Granted in Brazil	
42095	Allowed in China	
42096	Granted in Mexico	
50614	Allowed in Indonesia	
50783	Granted in Europe	Granted National Filings in Austria, Belgium, Switzerland, Denmark, Spain, Finland, France, Ireland, Italy, Liechtenstein, Luxembourg, Netherlands, Portugal, Sweden
50783	Divisional Application Allowed in USA	
50783	Allowed in China	
50939	Allowed in Europe	
60007	Entered National Phase from PCT Application	Pending in Europe, Japan, S.Korea
60009	Entered National Phase from PCT Application	Pending in Brazil, China, Europe, Japan, S.Korea
60010	Published as PCT and USA Applications	Title: Dental Abrasive System
60011	Published as PCT and USA Applications	Title: Dental Abrasive System
60012	Published as PCT and Thailand Applications	Title: Dentifrice Compositions Containing Zeolite
60014	Published as PCT, Malaysia and Thailand Applications	Title: Zeolite Extenders for Plastic Materbatches
60015	Published as PCT, Malaysia and Thailand Applications	Title: Stabilised Aluminosilicate Slurries

Australia

Country Trademark	Orig/ reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
ALUSIL	017417-AU	JOSEPH CROSFIELD & SONS LIMITED	1	28 Sep 1982	176378	Registered	28-Sep-2007	
DOUCIL	11871-AU 017491-AU	JOSEPH CROSFIELD & SONS LIMITED	1	28 Sep 1982	09 Jan 1984 542891	Registered	25-Sep-2007	
GASIL	11849-AU 017541-AU	Ineos Silicas Limited	1	25 Sep 1980	05 Jan 1929 86280	Registered	06-Mar-2012	Change of name Joseph Crosfield & Sons Limited into Crosfield Limited and subsequently into Ineos Silicas Limited in process
LUCILITE	017598-AU	CROSFIELD LIMITED	1	05 Nov 1981	568727	Registered	05-Nov-2008	
MACROSORB	12060-AU	CROSFIELD LIMITED	1	23 Sep 1985	01 Jul 1993 433600	Registered	23-Sep-2006	
METSO	12061-AU	CROSFIELD LIMITED	1	12 Jul 1937	70802	Registered	12-Jul-2007	
METSO	017808-AU-001 12072-AU-A	CROSFIELD LIMITED	3	12 Jul 1937	06 Feb 1986 70803	Registered	12-Jul-2007	
MICROCAL	017810-AU	JOSEPH CROSFIELD & SONS LIMITED	1	28 Sep 1982	12 Jul 1965 176377	Registered	28-Sep-2007	
	12073-AU				06 Jan 1984			

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Australia

Country	Trademark	Only/	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
NEOSYL			017645-AU	JOSEPH CROSFIELD & SONS LIMITED	1	28 Sep 1982	176375	Registered	28-Sep-2007	
PYRAMID & logo		Word	12108-AU	CROSFIELD LIMITED	1	28 Sep 1982	08 Jan 1984	Registered	29-Dec-2009	
QUASAR		Word	017709-AU			29 Dec 1971	18301			
		Word	12174-AU	JOSEPH CROSFIELD & SONS LIMITED	1	A572570	572570	Registered	14-Feb-2009	
TOPSOL		Word	017718-AU			14 Feb 1992	08 Aug 1986	Registered	09-Sep-2007	
			12182-AU	JOSEPH CROSFIELD & SONS LIMITED	1	8 Sep 1955	A124751			

CROSFIT		Word	017974-AT	CROSFIELD LIMITED	1	AM85598	176,094	Registered	15-Jun-2008	
CROSLINK		Word	14053-AT			13 Feb 1988	15 Jun 1988			
		Word	017973-AT	CROSFIELD LIMITED	1	AM85698	176,095	Registered	15-Jun-2008	
		Word	14052-AT			13 Feb 1988	15 Jun 1988			

Benelux

Country Trademark	Orig/ Word	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
CROSFIT	Word	017874-BX 14053-BL	CROSFIELD LIMITED	1	910266 13 Feb 1998	627822 13 Feb 1998	Registered	13-Feb-2008	
CROSFIX	Word	017876-BX 14056-BL	CROSFIELD LIMITED	1	912352 17 Mar 1998	628190 17 Mar 1998	Registered	17-Mar-2008	
CROSLINK	Word	017873-BX 14052-BL	CROSFIELD LIMITED	1	910267 13 Feb 1998	625471 13 Feb 1998	Registered	13-Feb-2008	

COUNTRIES /

10 May 2005

Country Trademark	Brazil	Orig/ Trademark	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal/ Due	Remarks
CHAMELEON		Word	018096-BR 14189-BR	CROSFIELD LIMITED	1	821928152 27 Aug 1998	821928152	Registered	28-Oct-2013	
CROSFIT		Word	017974-BR 14053-BR	CROSFIELD LIMITED	1	821001888 19 Aug 1998	821001888	Registered	19-Jun-2011	
CROSFIX		Word	017976-BR 14055-BR	CROSFIELD LIMITED	1	821001671 19 Aug 1998	821001671	Registered	19-Jun-2011	
CROSLINK		Word	017973-BR 14052-BR	CROSFIELD LIMITED	1	821001880 19 Aug 1998	821001880	Registered	19-Jun-2011	

Country
Canada

CHILL-GARDE

CROSFIELD

CROSFIELD CRYSTAL

BOUCL

DRYMET

GASIL

Country Trademark	Canada	Orig/ Word	Out/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
MICROSIL		Word	017813-CA 12078-CA	CROSFIELD LIMITED		532230 21 Feb 1986	320012 31 Oct 1988	Registered	31-Oct-2016	Tm allowed to lapse per client's instructions of October 8, 2001; on October 11, 2001 agent advised that renewal application had already been filed and no refund could be obtained.
NEOSYL		Word	017845-CA 12108-CA	Ineos Silicas Limited		532349 12 Oct 1971	303477 07 Jun 1985	Registered	07-Jun-2015	Change of name from Crosfield Limited to Ineos Silicas Limited to be recorded
PYRAMID		Word	017708-CAP1 12174-CANF	Ineos Silicas Limited		1160884 3 Dec 2002	TMA818085 30 Jul 2004	Registered	30 Jul 2019	
PYRAMID & logo		Word	017708-CA 12174-CANF	Ineos Silicas Limited			NFLD000657 19 Dec 1917	Registered		NEWFOUNDLAND REGISTRATION; No renewal to be filed I Change of name from Joseph Crosfield & Sons Limited to Ineos Silicas Limited to be recorded
SILACROS		Word	017738-CA 12205-CA	Ineos Silicas Limited		708187 25 Jan 1989	414503 09 Jul 1993	Registered	09-Jul-2008	Change of name from Crosfield Limited to Ineos Silicas Limited to be recorded
SORBSIL		Word	017754-CA 12221-CA	Ineos Silicas Limited		152255 08 Oct 1930	TMDA50645	Registered	08-Oct-2015	Change of name from Crosfield Limited to Ineos Silicas Limited to be recorded

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Chile

Country Trademark	Orig/ Trademark	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
LUCILITE		017599-CL	Ineos Silicas Netherlands B.V.	1	224168	478395	Registered	09-Jan-2007	
METSO	Word	12080-CL 017609-CL	Ineos Silicas Netherlands B.V.	1	21 Jan 1983 604832	09 Jan 1997 673317	Registered	11-Sep-2013	
	Word	12072-CL			21 Aug 1985	15 Apr 1993			

China

Country Trademark	Orig/ Trademark	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
CROSFIELD	Word	017470-CN 11928-CN	Ineos Silicas Limited	1	94006359 29 Aug 1984	759068 07 Aug 1995	Registered	07-Aug-2005	Now lapsed
CROSFIELD (in Chinese characters)	Word	017472-CN 11930-CN	Ineos Silicas Limited	1	94073595 23 Mar 1973	826082 20 Mar 1998	Registered	20-Mar-2006	Now lapsed
DOUCIL	Word	017481-CN 11949-CN	Ineos Silicas Limited	1	94006353 10 Jun 1988	759212 07 Aug 1995	Registered	07-Aug-2005	
GASIL	Word	017541-CN 11969-CN	Ineos Silicas Limited	1	94006358 12 Oct 1971	759099 07 Aug 1995	Registered	07-Aug-2005	
LUCILITE	Word	017599-CN 12060-CN	Ineos Silicas Limited	1	92007067 30 Oct 1992	628874 10 Feb 1993	Registered	09-Feb-2013	
MACROSORB	Word	017600-CN 12081-CN	Ineos Silicas Limited	1	94006354 16 Jul 1985	759213 07 Aug 1995	Registered	07-Aug-2005	
METSO	Word	017609-CN 12072-CN	Ineos Silicas Limited	1	94006357 21 Aug 1985	759091 07 Aug 1995	Registered	07-Aug-2005	

COUNTRIES /

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China

Country Trademark	Orig/ Word	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
PYRAMID	Word	017708-CN-002 12173-CN	Ineos Silicas Limited	1	9408596 02 Jan 1994	75909 06 Aug 1995	Registered	05-Aug-2005	
SORBSIL	Word	017754-CN 12221-CN	Ineos Silicas Limited	1	8408355 12 Oct 1971	759100 07 Aug 1995	Registered	07-AUG-2005	

Colombia

Country Trademark	Orig/ Word	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
CRYSTAMET	Word	017484-CO 11842-CO	Ineos Silicas Limited	1	04.128.540 24 Dec 2004		Pending		

Cyprus

Country Trademark	Orig/ reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
METSO	017608-CY	JOSEPH CROSFIELD & SONS LIMITED	1	12 Jul 1983	8243	Registered	12-Jul-2012	
SORBSIL	Word 12072-CY 017754-CY	JOSEPH CROSFIELD & SONS LIMITED	1	12 Jul 1983	07 Aug 1985 8244	Registered	12-Jul-2012	
	Word 12221-CY			12 Jul 1983	07 Aug 1985			

COUNTRIES /

10 May 2005

Country Trademark	Denmark	Orig/ reference	Our/ Your reference	Registered Owner/ Department	Internationally/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
CROSFIT		Word	017674-DK 14053-DK	CROSFIELD LIMITED	1	768/1998 13 Feb 1998	02316/2001 29 May 2001	Registered	29-May-2011	
CROSFIX		Word	017676-DK 14055-DK	CROSFIELD LIMITED	1	01331/1998 18 Mar 1998	02166/1998 15 May 1998	Registered	15-May-2008	
CROSLINK		Word	017673-DK 14052-DK	CROSFIELD LIMITED	1	00769/1998 13 Feb 1998	02061/1998 08 May 1998	Registered	08-May-2008	

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10 May 2005

Egypt

Country Trademark	Orig/	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
METSO		017608-EG	JOSEPH CROSFIELD & SONS LIMITED	1		18338	Registered	08-Jun-2007	
METSO	Word	12072-EG-A 017608-EG-001	JOSEPH CROSFIELD & SONS LIMITED	3	08 Jun 1947	16 Jan 1987 16340	Registered	08-Jun-2007	
PYRAMID BRAND	Word	12072-EG 017711-EG	CROSFIELD LIMITED	1	08 Jun 1947 369218/498 02 Oct 1940	16 Jan 1987 3798 27 Sep 1951	Registered	02-Oct-2010	
	Word	12178-EG							

European Union

Country Trademark	Orig/	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
ALUSIL	Word		Ineos Silicas Limited	1	2500577 12 Dec 2001	2500577	Registered	12-Dec-2011	
CHAMELEON	Word	018098-EU 14199-CTM	Ineos Silicas Limited	1	1280031 17 Aug 1989	1280031 28 Nov 2000	Registered	17-Aug-2009	

COUNTRIES /

10 May 2005

Country Trademark	Finland	Orig/ reference	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
CROSFIT		Word	017974-FI 14053-FI	CROSFIELD LIMITED	1	T109800586 18 Feb 1998	212813 15 Feb 1999	Registered	15-Feb-2009	
CROSLINK		Word	017973-FI 14052-FI	CROSFIELD LIMITED	1	T109800585 18 Feb 1998	215700 15 Oct 1999	Registered	15-Oct-2009	

Country Trademark	France	Orig/ reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
ALUSIL		017417-FR Word	JOSEPH CROSFIELD & SONS LIMITED	1	917784 31 Mar 1988	1458437 05 Feb 1985	Registered	31-Mar-2008	
CROSFIELD		017470-FR Word	JOSEPH CROSFIELD & SONS LIMITED	1,3	776986 04 Feb 1988	1341327 98717865	Registered	04-Feb-2006	
CROSFIT		11928-FR 017874-FR Word	CROSFIELD LIMITED	1	98717865 13 Feb 1988	98717865	Registered	13-Feb-2008	
CROSFIX		14053-FR 017876-FR Word	CROSFIELD LIMITED	1	98723449 18 Mar 1988	98723449	Registered	18-Mar-2008	
CROSLINK		14055-FR 017873-FR Word	CROSFIELD LIMITED	1	98717884 13 Feb 1988	98717884	Registered	13-Feb-2008	
DOUCIL		017491-FR-001 11948-FR Word	CROSFIELD LIMITED	1	835480 27 Jan 1987	1381330	Registered	27-Jan-2007	

10 May 2005

COUNTRIES /

Country Trademark	FRANCE	Orig/ reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
DRYMET		Word	CROSFIELD LIMITED	1	201818 10 Apr 1980	1565984	Registered	10-Apr-2010	
GASIL		Word	CROSFIELD LIMITED	1	917786 31 Mar 1986	1458439 11 Jan 1983	Registered	31-Mar-2008	
GASIL		Word	CROSFIELD LIMITED	1	756281 22 Aug 1985	1320774	Registered	22-Aug-2005	
PYRAMID & logo		Word	Ineos Silicas Limited	1,3,4,5,21	622355 02 Mar 1982	1197082 19 Dec 1917	Registered	02-Mar-2012	RENEWAL OF REG. 854940 Change of name Joseph Crosfield & Sons Limited into Crosfield Limited and subsequently into Ineos Silicas Limited to be recorded

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Country Trademark	France	Orig/ Word	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
SORBSIL		Word	017754-FR 12221-FR-A 017754-FR-001	CROSFIELD LIMITED	1	758280 22 Aug 1985 917765	1320773	Registered	22-Aug-2005	
SORBSIL		Word	12221-FR	JOSEPH CROSFIELD & SONS LIMITED	1	31 Mar 1988	1458438 03 Apr 1948	Registered	31-Mar-2008	

COUNTRIES /

10 May 2005

Country Trademark	Germany	Orig/ reference	Out/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
CROSFIT		Word	017874-DE 14053-DE	CROSFIELD LIMITED	1	39807618.7/0 12 Feb 1998	39807619 22 Apr 1998	Registered	28-Jan-2008	
CROSFIX		Word	017876-DE 14055-DE	CROSFIELD LIMITED	1	39814984.4/0 17 Mar 1998	39807619	Registered	28-Feb-2008	
CROSLINK		Word	017873-DE 14052-DE	CROSFIELD LIMITED	1	39807618.9/0 12 Feb 1998	39807616 03 Mar 1999	Registered	12-Feb-2008	
DOUCIL		Word	017491-DE-001 11949-DE-A	JOSEPH CROSFIELD & SONS LIMITED	1	C320666WZ 04 Jan 1929	409040 27 Sep 1928	Registered	04-Jan-2009	

COUNTRIES /

10 May 2005

Country Trademark METSO	Ghana	Orig/ Word	Our/ Your reference 017609-GH 12072-GH	Registered Owner/ Department Ineos Silicas Limited	International/ National Classes 1	No/ Date of Application 10 Jun 1947	No/ Date Registration 2037 08 Feb 1986	Status Registered	Next Renewal Due 10-Jun-2017	Remarks
Country Trademark METSO	Gibraltar	Orig/ Word	Our/ Your reference 017609-GI 12072-GI	Registered Owner/ Department CROSFIELD LIMITED	International/ National Classes 3	No/ Date of Application	No/ Date Registration 522961 03 Aug 1949	Status Registered	Next Renewal Due 21-May-2011	Remarks
Country Trademark	Greece	Orig/ Word	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
CROSFIT		Word	017874-GR 14053-GR	CROSFIELD LIMITED	1	136813	136813	Registered	15-May-2008	
CROSLINK		Word	017873-GR 14052-GR	CROSFIELD LIMITED	1	136812	136812	Registered	15-May-2008	

Country Trademark	Guernsey	Orig/ reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
METSO		Word 017609-GG 12072-GU	Ineos Silicas Limited	3		522981 25 May 1957	Registered	21-May-2011	

Country	India																											
Trademark																												
ALLUSIL	<table><tr><th>Origl/</th><th>Our/ Your reference</th><th>Registered Owner/ Department</th><th>International/ National Classes</th><th>No/ Date of Application</th><th>No/ Date Registration</th><th>Status</th><th>Next Renewal Due</th><th>Remarks</th></tr><tr><td></td><td>017417-IN</td><td>Ineos Silicas Limited</td><td>1</td><td>26 Jul 1983</td><td>216783</td><td>Registered</td><td>26-Jul-2005</td><td>Change of name of JOSEPH CROSFIELD & SONS LIMITED into INEOS Silicas Limited to be recorded</td></tr><tr><td>Word</td><td>11871-IN</td><td></td><td></td><td></td><td>17 Jun 1984</td><td></td><td></td><td></td></tr></table>	Origl/	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks		017417-IN	Ineos Silicas Limited	1	26 Jul 1983	216783	Registered	26-Jul-2005	Change of name of JOSEPH CROSFIELD & SONS LIMITED into INEOS Silicas Limited to be recorded	Word	11871-IN				17 Jun 1984			
Origl/	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks																				
	017417-IN	Ineos Silicas Limited	1	26 Jul 1983	216783	Registered	26-Jul-2005	Change of name of JOSEPH CROSFIELD & SONS LIMITED into INEOS Silicas Limited to be recorded																				
Word	11871-IN				17 Jun 1984																							
DOUCIL	<table><tr><td></td><td>017491-IN</td><td>Ineos Silicas Limited</td><td>1</td><td>APP218</td><td>548383</td><td>Registered</td><td>05-Apr-2005</td><td>Change of name of JOSEPH CROSFIELD & SONS LIMITED into INEOS Silicas Limited in process</td></tr><tr><td>Word</td><td>11949-IN</td><td></td><td></td><td>25 Feb 1991</td><td></td><td></td><td></td><td></td></tr></table>		017491-IN	Ineos Silicas Limited	1	APP218	548383	Registered	05-Apr-2005	Change of name of JOSEPH CROSFIELD & SONS LIMITED into INEOS Silicas Limited in process	Word	11949-IN			25 Feb 1991													
	017491-IN	Ineos Silicas Limited	1	APP218	548383	Registered	05-Apr-2005	Change of name of JOSEPH CROSFIELD & SONS LIMITED into INEOS Silicas Limited in process																				
Word	11949-IN			25 Feb 1991																								
LUCILITE	<table><tr><td></td><td>017599-IN</td><td>Ineos Silicas Limited</td><td>1</td><td>563897</td><td></td><td>Pending</td><td>17-Dec-2005</td><td>Change of name of JOSEPH CROSFIELD & SONS LIMITED into INEOS Silicas Limited to be recorded</td></tr><tr><td>Word</td><td>12060-IN</td><td></td><td></td><td>17 Dec 1991</td><td></td><td></td><td></td><td></td></tr></table>		017599-IN	Ineos Silicas Limited	1	563897		Pending	17-Dec-2005	Change of name of JOSEPH CROSFIELD & SONS LIMITED into INEOS Silicas Limited to be recorded	Word	12060-IN			17 Dec 1991													
	017599-IN	Ineos Silicas Limited	1	563897		Pending	17-Dec-2005	Change of name of JOSEPH CROSFIELD & SONS LIMITED into INEOS Silicas Limited to be recorded																				
Word	12060-IN			17 Dec 1991																								
MACROSORB	<table><tr><td></td><td>017600-IN</td><td>Ineos Silicas Limited</td><td>1</td><td>878054</td><td>879054</td><td>Registered</td><td>29-Sep-2009</td><td>Change of name of Crosfield Limited into INEOS Silicas Limited to be recorded</td></tr><tr><td>Word</td><td></td><td></td><td></td><td>29 Sep 1998</td><td></td><td></td><td></td><td></td></tr></table>		017600-IN	Ineos Silicas Limited	1	878054	879054	Registered	29-Sep-2009	Change of name of Crosfield Limited into INEOS Silicas Limited to be recorded	Word				29 Sep 1998													
	017600-IN	Ineos Silicas Limited	1	878054	879054	Registered	29-Sep-2009	Change of name of Crosfield Limited into INEOS Silicas Limited to be recorded																				
Word				29 Sep 1998																								

India

Country Trademark	Orig/ Word	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
MICROCAL		017610-IN	Ineos Silicas Limited	1	28 Jul 1983	216785	Registered	26-Jul-2005	Change of name of JOSEPH CROSFIELD & SONS LIMITED into INEOS Silicas Limited to be recorded
	Word	12073-IN				17 Jun 1984			
MICROSIL		017613-IN	Ineos Silicas Limited	1	431180	431180	Registered	19-Dec-2005	Change of name of JOSEPH CROSFIELD & SONS LIMITED into INEOS Silicas Limited to be recorded
	Word	12076-IN			19 Dec 1984		Original application not completed - under investigation		
NEOSYL		017845-IN	Ineos Silicas Limited	1	26 Jul 1983	216788	Registered	26-Jul-2005	Change of name of JOSEPH CROSFIELD & SONS LIMITED into INEOS Silicas Limited to be recorded
	Word	12108-IN				07 Feb 1987			

Indonesia

Country Trademark	Orig/ Word	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
CROSFIT		017874-ID	CROSFIELD LIMITED	1	D88-16234	443209	Registered	23-Sep-2008	
	Word	14053-ID			23 Sep 1988				
CROSLINK		017873-ID	CROSFIELD LIMITED	1	D88-16233	442554	Registered	23-Sep-2008	
	Word	14052-ID			23 Sep 1988				

10 May 2005

Country
Indonesia

Trademark

MACROSORB

Origl	Our/ Your reference
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Registered Owner
Department

**International
National Classes**

No/ Date of Application	No/ Date Registration
464330	

Status **Next Renewal Due** **Registered** **18-Oct-2008**

Remarks

Word

Country	Trademark	Ireland	Orig/	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
	CROSFIELD		Word	017470-IE	CROSFIELD LIMITED	1	2098/84	112320	Inactive	17-Jul-2005	
	CROSFIELD CRYSTAL		Word	11928-IE	CROSFIELD LIMITED	1	17 Jul 1984	22 Nov 1984	Registered	23-Dec-2008	
	CROSFIT		Word	11934-IE	CROSFIELD LIMITED	1	91/8380	146030	Registered	12-Feb-2008	
	CROSLINK		Word	017974-IE	CROSFIELD LIMITED	1	23 Dec 1984	208621	Registered	12-Feb-2008	
	CROSSIL		Word	14053-IE	CROSFIELD LIMITED	1	533/98	2086200	Registered	12-Feb-2008	
	DOUCIL		Word	017973-IE	CROSFIELD LIMITED	1	12 Feb 1988	123707	Registered	19-Aug-2008	
	GASIL		Word	14052-IE	CROSFIELD LIMITED	1	532/98	12 Feb 1988	Registered	22-Jun-2008	
	LUCILITE		Word	11939-IE	CROSFIELD LIMITED	1	2770/87	49449	Registered	21-Aug-2007	
	METSO		Word	017491-IE	CROSFIELD LIMITED	1	18 Aug 1987	81128	Registered	31-Oct-2008	
	MICROSIL		Word	11948-IE	CROSFIELD LIMITED	1	22 Jun 1922	10 Dec 1975	Registered	04-Aug-2007	
	NEOSIL		Word	017541-IE	CROSFIELD LIMITED	1	184972	148117	Registered	30-Nov-2005	
	PYRAMID		Word	11998-IE	CROSFIELD LIMITED	3	91/6431	03 Oct 1993	Registered	04-Feb-2007	
	PYRAMID & logo		Word	12060-IE	CROSFIELD LIMITED	1	31 Oct 1991	51817	Registered	23-Dec-2008	
	SILACROS		Word	017808-IE	CROSFIELD LIMITED	1	04 Aug 1951	22 Feb 1988	Registered	08-Jan-2010	
	SORBSIL		Word	12072-IE	CROSFIELD LIMITED	1	3616/84	116510	Registered	26-Nov-2007	
			Word	017613-IE	CROSFIELD LIMITED	1	30 Nov 1984	23 Jul 1988	Registered	18-Mar-2010	
			Word	12076-IE	CROSFIELD LIMITED	1	97/0424	203524	Registered		
			Word	017644-IE	CROSFIELD LIMITED	1	04 Feb 1997	148031	Registered		
			Word	12107-IE	CROSFIELD LIMITED	1	91/6381	08 May 1982	Registered		
			Word	017708-IE	CROSFIELD LIMITED	1	23 Dec 1981	36721	Registered		
			Word	12173-IE	CROSFIELD LIMITED	1	05 Jan 1982	141339	Registered		
			Word	017706-IE	CROSFIELD LIMITED	1	90/8814	14 Jul 1989	Registered		
			Word	12174-IE	CROSFIELD LIMITED	1	28 Nov 1990	31595	Registered		
			Word	017736-IE	CROSFIELD LIMITED	1	18 Mar 1926				
			Word	12205-IE	CROSFIELD LIMITED	1					
			Word	017754-IE	CROSFIELD LIMITED	1					
			Word	12221-IE	CROSFIELD LIMITED	1					

10 May 2005

COUNTRIES /

Israel

Country
Trademark

Orig/	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
Word	017754-IL 12221-IL	CROSFIELD LIMITED	1	09 Jun 1983	22150 25 Nov 1977	Registered	09-Jun-2012	NON-RENEWAL BY FORMER

SORBSIL

Italy

Country
Trademark

Orig/	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
Word	017876-IT 14055-IT	CROSFIELD LIMITED	1	20 Mar 1998 TO98C000994 28 Mar 1998	815772 815845 815771 30 May 2000	Registered	20-Mar-2008 28-Mar-2008 20-Mar-2008	

CROSFIT

CROSFIX

CROSLINK

COUNTRIES /

10 May 2005

Country Trademark	Italy	Orig/ Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
GOTTARDI		Word	Ineos Silicas Limited	1	11 May 1989	550338	Registered	11-May-2009	
ICOSOL		Word	Ineos Silicas Limited	1	25014C/89 13 Oct 1989	572855 03 Sep 1991	Registered	13-Oct-2009	change of name from Croasfield Spa to Ineos Silicas Limited to be recorded

10 May 2005

COUNTRIES /

Country	Trademark	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
Jamaica	SORBSIL	JOSEPH CROSFIELD & SONS LIMITED	1	05 Jun 1983	9895	Registered	06-Jun-2012	
	Word						12 Dec 1986	

COUNTRIES /

10 May 2005

Country Trademark	Japan	Orig/	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
GASIL		Word		Ineos Silicas Limited	1	2004/01/04/28 27 Feb 2004	4835981 28 Jan 2005	Registered	28-Jan-2015	
NEOSIL		Word		Ineos Silicas Limited	1	2003/04/7/28 10 Jun 2003	4770175 21 Feb 1989	Registered	14-May-2014	
SORBOSIL		Word		Ineos Silicas Limited	1	2004/01/9/489 1 Mar 2004	4839443 10 Feb 2006	Registered	10-Feb-2015	
METSO	Jersey	Word	017609-JE 12072-JE	CROSFIELD LIMITED	47	21 May 1931	1085 21 May 1931	Registered	21-May-2011	
METSO	Jordan	Word	017609-JO 12072-JO	JOSEPH CROSFIELD & SONS LIMITED	1	30 May 1963	83236773 21 May 1931	Registered	30-May-2012	

10 May 2005

COUNTRIES /

Country Trademark	Kenya	Orig/	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal/ Due	Remarks
LUCILITE		Word	017508-KE 12060-KE	Ineos Silicas Limited	1	40077 02 Oct 1982	40077 02 Oct 1992	Registered	02-Oct-2013	Change of name from Crosfield Limited to Ineos Silicas Limited in process
METSO		Word	017608-KE 12072-KE	Ineos Silicas Limited	1	3547 30 Jun 1947	21 May 1931	Registered	30-Jun-2013	Change of name of Crosfield Limited into Ineos Silicas Limited in process
SORBSIL		Word	017754-KE 12221-KE	Ineos Silicas Limited	1	11946 07 Jun 1963	12 Dec 1966	Registered	07-Jun-2012	Change of name from Crosfield Limited to Ineos Silicas Limited in process
MACROSORB	Korea (South)	Word		CROSFIELD LIMITED	1	17 Sep 1999	40-475935	Registered	25-AUG-2010	

COUNTRIES /

10 May 2005

Country	Trademarks	Malawi	Orig/	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
					JOSEPH CROSFIELD & SONS LIMITED	1	30 Jul 1983	777/83	Registered	30-Jul-2012	
			Word	12221-MW				12 Dec 1986			

10 May 2005

COUNTRIES /

Malaysia

Country	Trademark	Origi	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
	DOUCIL		017481-MY	JOSEPH CROSFIELD & SONS LIMITED	1	26 Oct 1990	90/06985	Registered	26-Oct-2011	
	MACROSORB	Word	11946-MY	CROSFIELD LIMITED	1	26 Oct 1990	20 Sep 1998 98/06870	Registered	30-Sep-2009	
	METSO	Word	12072-MO 017608-MY-001	CROSFIELD LIMITED	1	12 Jun 1983	06 Feb 1986 39777	Registered	12-Jun-2008	MALAYA REGISTRATION;
	MICROCAL	Word	12072-MO	CROSFIELD LIMITED	1	12 Jun 1983	06 Feb 1986	Registered	12-Jun-2008	MALAYA REGISTRATION;
	SORBSIL	Word	017610-MY 12073-MO 017754-MY	CROSFIELD LIMITED	1	12 Jun 1983	39878 18 Apr 1987 1380	Registered	12-Jun-2008	MALAYA REGISTRATION;
		Word	12221-MO	CROSFIELD LIMITED	1	18 Mar 1951	12 Dec 1986	Registered	19-Mar-2000	MALAYA REGISTRATION;

Malta

Country	Trademark	Origi	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
	METSO	Word	017608-MT-001 12072-MT-A	Ineos Silicas Limited		12 Jan 1950	4711 06 Feb 1986	Registered	12-Jan-2006	Change of name of Joseph Crosfield & Sons Limited into Crosfield Limited and subsequently into Ineos Silicas Limited to be recorded

Myanmar

Country
Trademark

CROSFIELDS FLAG

PYRAMID

PYRAMID

Oral/ Device	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
	017474-MM	JOSEPH CROSFIELD & SONS LIMITED			COM 027	Registered		
Device	11932-MM 017709-MM	JOSEPH CROSFIELD & SONS LIMITED			COM 135	Registered		Neither application nor registration data were communicated such that renewal date cannot be calculated
Word	12174-MM							
	017709-MM-001	JOSEPH CROSFIELD & SONS LIMITED			COM 136	Registered		Neither application nor registration data were communicated such that renewal date cannot be calculated
Word	12174-MM-A							

COUNTRIES /

New Zealand

Country	Trademark	Orig./	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
LUCILITE	MACROSOQB	Word	017588-NZ	Ineos Silicas Limited	1	11 Nov 1991	214316	Registered	11-Nov-2012	Change of name of Crostafield Limited into Ineos Silicas Limited in process
			12060-NZ	Ineos Silicas Limited	1	238504	02 Sep 1993	Registered	01-Jul-2015	
			12061-NZ	CROSTFIELD LIMITED	1	01 Jul 1994	07 Nov 1997	Registered	08-Nov-2009	
			017608-NZ	Ineos Silicas Limited	1	08 Nov 1974	110227	Registered	17-May-2017	
			12071-NZ	Ineos Silicas Limited	1	08 Nov 1974	22 Sep 1981	Registered	17-May-2017	
METSO		Word	017609-NZ	Ineos Silicas Limited	1	17 May 1988	87028	Registered	17-May-2017	Change of name of Crostafield Limited into Ineos Silicas Limited in process
			12072-NZ	Ineos Silicas Limited	3	17 May 1988	04 May 1990	Registered	17-May-2017	
MICROCAL	PYRAMID & logo	Word	017609-NZ-001	Ineos Silicas Limited	1	13 Oct 1971	98488	Registered	13-Oct-2006	Change of name Crostafield Limited into Ineos Silicas Limited in process
			12073-NZ	Ineos Silicas Limited	1	08 Feb 1992	3873-2872	Registered	06-Feb-2014	
SORBSIL		Word	017754-NZ	Ineos Silicas Limited	1	02 Jul 1947	45092	Registered	02-Jul-2010	Change of name Crostafield Limited into Ineos Silicas Limited in process
			12221-NZ	Ineos Silicas Limited	1	02 Jul 1947	21 Apr 1948	Registered	02-Jul-2010	
LUCILITE		Word	017588-NG	Ineos Silicas Limited	1	1285781	1285781	Registered	09-Dec-2012	Change of name from Crostafield Limited to Ineos Silicas Limited to be recorded
			12060-NG	Ineos Silicas Limited	1	08 Dec 1991	5720	Registered	23-Jun-2017	
METSO		Word	017609-NG	Ineos Silicas Limited	1	23 Jun 1947	5720	Registered	23-Jun-2017	Change of name from Crostafield Limited to Ineos Silicas Limited to be recorded
			12072-NG	Ineos Silicas Limited	1	23 Jun 1947	04 May 1950	Registered	23-Jun-2017	

Nigeria

Country	Trademark	Orig./	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
LUCILITE		Word	017588-NG	Ineos Silicas Limited	1	1285781	1285781	Registered	09-Dec-2012	Change of name from Crostafield Limited to Ineos Silicas Limited to be recorded
			12060-NG	Ineos Silicas Limited	1	08 Dec 1991	5720	Registered	23-Jun-2017	
METSO		Word	017609-NG	Ineos Silicas Limited	1	23 Jun 1947	5720	Registered	23-Jun-2017	Change of name from Crostafield Limited to Ineos Silicas Limited to be recorded
			12072-NG	Ineos Silicas Limited	1	23 Jun 1947	04 May 1950	Registered	23-Jun-2017	

COUNTRIES /

10 May 2005

Country Trademark	Norway	Orig/ Quir/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal/ Due	Remarks
CROSFIT		Word 11931-NO 017974-NO 14053-NO	CROSFIELD LIMITED	1	30 Aug 1986 9801434	28 Sep 1989 199210	Registered	8-Sep-2009	
CROSLINK		Word 017973-NO 14052-NO	CROSFIELD LIMITED	1	17 Feb 1986 9801435	8 Sep 1989 199235 13 Jan 1989	Registered	13-Jan-2009	

COUNTRIES /

10 May 2005

Country	Trademark	Pakistan	Origl	Out Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
METSO			Word	017608-PK-001 12072-PK-A	CROSFIELD LIMITED	3	08 Oct 1943	4281 01 May 1950	Registered	08-Oct-2010	
METSO			Word	017608-PK 12072-PK	Ineos Silicas Limited	1	18 Sep 1951	17103 04 May 1950	Registered	18-Sep-2018	Change of name of Crosfield Limited into Ineos Silicas Limited to be recorded
PYRAMID & logo			Word	017708-PK 12173-PK	CROSFIELD LIMITED	3	08 Oct 1943	10343 24 Feb 1984	Registered	08-Oct-2010	

Country Trademark	Portugal	Orig/ Our/ Your reference	Registered Owner/ Department	International/ National/ Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
CROSLINK		Word 017873-PT 14052-PT	Ineos Silicas Limited	1	328743 17 Feb 1998	328743 12 Aug 1998	Registered	12-Aug-2008	

10 May 2005

COUNTRIES /

Country	Trademark	Sabah	Orig/	Our/ Your	Registered Owner/	International/	Not Date	Not Date	Status	Next Renewal	Remarks
			reference	Department	National Classes	of Application	Registration	Due			
METSO			017608-XX	JOSEPH CROSFIELD & SONS LIMITED	1	07 Mar 1977	21205	07-Mar-2008	Registered		
MICROCAL			12072-SB 017610-XX	JOSEPH CROSFIELD & SONS LIMITED	1	07 Mar 1977	21201	07-Mar-2008	Registered		
SORASAL			12073-SB 017754-XX	JOSEPH CROSFIELD & SONS LIMITED	1	07 Mar 1977	28 Oct 1985 21200	07-Mar-2008	Registered		
			12221-SB			07 Mar 1977	12 Dec 1979				

COUNTRIES /

10 May 2005

Country	Trademark	Saratwak	Origl	Our/ Your reference	Registered Owner/ Department	International/ National Classes	Nol Date of Application	Nol Date Registration	Status	Next Renewal Due	Remarks
METSO				017609-SW	JOSEPH CROSFIELD & SONS LIMITED	1	15 May 1977	15439	Registered	15-Mar-2008	
			Word	12072-SR 017610-SW	JOSEPH CROSFIELD & SONS LIMITED	1	15 May 1977	09 Feb 1986 15439	Registered	15-Mar-2008	
MICROCAL			Word	12073-SR 017764-SW	JOSEPH CROSFIELD & SONS LIMITED	1	15 May 1977	28 Oct 1985 15440	Registered	15-Mar-2008	
			Word	12221-SR			15 Mar 1977	15 Mar 1985			

Sierra Leone

Country Trademark	Orig/ Word	Qnt/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
METSO		017808-SL	JOSEPH CROSFIELD & SONS LIMITED	1	28 Nov 1984	8878	Registered	25-Nov-2006	
	Word	12072-SL				21 Mar 1980			

Singapore

Country Trademark	Orig/ Word	Qnt/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
METSO		017808-SG	Ineos Silicas Limited	1	24 Jul 1983	33287	Registered	24-Jul-2008	
	Word	12072-SP				06 Feb 1988			
SORBSIL		017754-SG	Ineos Silicas Limited	1	12 May 1999	T39/1390F	Registered	12-Nov-2012	
	Word	12221-SP				16 Mar 1985			

COUNTRIES /

South Africa

Country Trademark	Orig./ reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
ALUSIL	Word	Ineos Silicas Limited	1	20 Oct 1981	817987 21 Jun 1985	Registered	20-Oct-2011	
CROSFIT	Word	Ineos Silicas Limited	1	98/0207 13 Feb 1998	98/0207 13 Feb 1998	Registered	13-Feb-2008	
CROSLINK	Word	Ineos Silicas Limited	1	98/0206 13 Feb 1998	98/0206 13 Feb 1998	Registered	13-Feb-2008	
CRYSTAL	Word	Ineos Silicas Limited	1	28 Apr 1982	92/3536 17 Aug 1988	Registered	28-Apr-2012	
DOUCIL	Word	Ineos Silicas Limited	1	23 Jan 1928	81/26 20 Sep 1988	Registered	23-Jan-2011	
GASIL	Word	Ineos Silicas Limited	1	07 Sep 1946	256/46 13 May 1983	Registered	07-Sep-2014	
GASIL	Word	Ineos Silicas Limited	1	22 Aug 1972	72/4334 13 May 1983	Registered	22-Aug-2012	
LUCILITE	Word	Ineos Silicas Limited	1	31 Jul 1985	85/5589 12 Aug 1983	Registered	31-Jul-2005	
METSO	Word	Ineos Silicas Limited	1	15 May 1935	602/35 21 Mar 1980	Registered	15-May-2007	
MICROCAL	Word	Ineos Silicas Limited	1	20 Oct 1981	81/7988 28 Oct 1985	Registered	20-Oct-2011	
MICROSIL	Word	Ineos Silicas Limited	1	19 Nov 1984	84/10219 23 Jul 1988	Registered	19-Nov-2014	
NEOSYL	Word	Ineos Silicas Limited	1	18 Aug 1983	63/2758 21 Jun 1985	Registered	16-Aug-2007	
PYRAMID	Word	Ineos Silicas Limited	1	11 Feb 1982	92/1080 08 May 1982	Registered	11-Feb-2012	
PYRAMID & logo	Word	Ineos Silicas Limited	1	28 Sep 1930	12/21930 01 Jun 1915	Registered	28-Sep-2012	
SILACROS	Word	Ineos Silicas Limited	1	15 Jun 1992	92/4910 14 Jul 1989	Registered	15-Jun-2012	
SORBSIL	Word	Ineos Silicas Limited	1	13 Aug 1930	92/1830 12 Dec 1978	Registered	13-Aug-2012	
TOPSOL	Word	Ineos Silicas Limited	4	28 May 1955	165/55 22 Sep 1986	Registered	26-May-2009	

COUNTRIES /

10 May 2005

Spain

Country
Trademark

Country Trademark	Qrig/ Word	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal/ Due	Remarks
CROSFIX	Word	017978-ES 14055-ES	Ineos Silicas Limited	1	27 Mar 1998	2152979 05 May 1999	Registered	27-Mar-2008	Change of name of Croffield Limited into Ineos Silicas Limited to be recorded
	Word	017973-ES 14052-ES	Ineos Silicas Limited	1	27 Mar 1998	2152977	Pending	27-Mar-2008	Change of name of Croffield Limited to Ineos Silicas Limited to be recorded Tm still pending on 10/12/02. It is still being opposed

10 May 2005

Country

Trademark

MICROCAL

Order **Only Your Reference**

017810-LK

Word 120734K

**Registered Owner/
Department!**

CROSFIELD LIMITED

National Classes

1

No/ Date
of Application

17 Jun 1993

Not Data Registration

24501 18 Apr 1967

**Due
to
New
York
State**

Registered 17-Jun-2011

Remarks

change of name
from Joseph
Grosfeld & Son
Limited to Grosfeld
Limited to be
recorded

SORABİL

Word 017754-LK 12221-LK

CROSFIELD LIMITED

17 Jun 1963

24602
12 Dec 1966

Required 17-Jun-2011

COUNTRIES /

10 May 2005

Country Trademark	Sweden	Orig	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Date	Remarks
CROSFIT		Word	017974-SE 14053-SE	CROSFIELD LIMITED	1	98-01-200 18 Feb 1998	334952 18 Feb 2000	Registered	18-Feb-2010	
CROSFIX		Word	017976-SE 14055-SE	CROSFIELD LIMITED	1	98-02-147 18 Mar 1998	324448 14 Apr 2000	Registered	14-Apr-2010	
CROSLINK		Word	017973-SE 14052-SE	CROSFIELD LIMITED	1	98-01-20 18 Feb 1998	334953 18 Feb 2000	Registered	18-Feb-2010	

COUNTRIES /

10 May 2005

Switzerland

Country
Trademark

Remarks

Status Next Renewal
Due

No/ Date
Registration

No/ Date
of Application

International/
National Classes

Registered Owner/
Designation

Orig/ Our/ Your
reference

CROSFIT

Word 017874-CH
14053-CH

CROSFIELD LIMITED

1

01180/1998
13 Feb 1998

457612
13 Feb 1998

Registered 13-Feb-2008

COUNTRIES /

10 May 2005

Country	Trademark	Country	Registered Owner / Department	Intentionally National Classes	No. Date of Application	No. Date Registration	Status	Next Renewal Due	Remarks
Switzerland	CROSLINK		CRQSFIELD LIMITED	1	01/187/1998 13 Feb 1998	457811 13 Feb 1998	Registered	13-Feb-2008	

Orig
Qunt Your
reference
017973-CH
14052-CH
Word

Taiwan

Country	Trademark	Orig/	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
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MACROSORB

Word
017600-TW
12061-TW

CROSFIELD LIMITED

1

88048393
16 Sep 1999

921715

Registered 31-Dec-2010

Tanganyika

Country	Trademark	Orig/	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
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SORBSIL

Word
017754-TY
12221-TK

CROSFIELD LIMITED

1

30 Jul 1983

8538
18 Mar 1985

Registered 30-Jul-2008

Uganda

Country Trademark	Origi	Our Year reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
METSO		017608-UG	JOSEPH CROSFIELD & SONS LIMITED	1		7830	Registered	19-Jul-2012	
SORBSIL	Word	12072-UG 017754-UG	JOSEPH CROSFIELD & SONS LIMITED	1	19 Jul 1983	08 Feb 1986 7831	Registered	19-Jul-2012	
	Word	12221-UG			19 Jul 1983	18 Mar 1985			

COUNTRIES /

10 May 2005

United Kingdom

Country Trademark	Orig/	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
ALUSIL		017417-GB-001	Ineos Silicas Limited	1	485462	485462	Registered	03-Nov-2007	RENEWAL HANDLED BY CLIENT;
CLAYSIL	Word	11871-AA 017463-GB	Ineos Silicas Limited	1	03 Nov 1927	21 Jun 1985	Registered	26-Jun-2015	RENEWAL HANDLED BY CLIENT;
CROSFIELD	Word	11921-UK 017470-GB	Ineos Silicas Limited	1	28 Jun 1948	15 Oct 1974	Registered	20-Nov-2006	RENEWAL HANDLED BY CLIENT;
CROSFIELD CRYSTAL	Word	11928-UK 017476-GB	Ineos Silicas Limited	1	20 Nov 1961	22 Nov 1994	Registered	26-Feb-2015	RENEWAL HANDLED BY CLIENT;
CROSFIT	Word	11834-UK 017974-GB	Ineos Silicas Limited	1	28 Feb 1988	23 Sep 1994	Registered	13-Feb-2008	RENEWAL HANDLED BY CLIENT;
CROSFIX	Word	14053-UK 017976-GB	Ineos Silicas Limited	1	13 Feb 1988	2162918	Registered	21-Mar-2008	RENEWAL HANDLED BY CLIENT;
CROSLINK	Word	14055-UK 017979-GB	Ineos Silicas Limited	1	21 Mar 1988	2158190	Registered	13-Feb-2008	RENEWAL HANDLED BY CLIENT;
CROSORB	Word	14052-UK 018095-GB	Ineos Silicas Limited	1	13 Feb 1988	2203328	Registered	19-Jul-2009	RENEWAL HANDLED BY CLIENT;
CROSSIL	Word	14198-UK 017461-GB	Ineos Silicas Limited	1	19 Jul 1999	1316245	Registered	07-Aug-2008	RENEWAL HANDLED BY CLIENT;
DOUCIL	Word	11836-UK 017491-GB-001	Ineos Silicas Limited	1	07 Aug 1987	04 Nov 1987	Registered	22-Jun-2008	RENEWAL HANDLED BY CLIENT;
DOUCIL	Word	11949-UK 017491-GB	Ineos Silicas Limited	1	22 Jun 1922	414897	Registered	28-Apr-2015	RENEWAL HANDLED BY CLIENT;
	Word	11949-UK-A			28 Apr 1921	20 Sep 1988			

COUNTRIES /

10 May 2005

United Kingdom

Country Trademark	Orig/ reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
DRYMET	Word 017494-GB	Ineos Silicas Limited	3	28 May 1938	607003 31 Jan 1952	Registered	26-May-2012	RENEWAL HANDLED BY CLIENT;
DRYMET	Word 017494-GB-001	Ineos Silicas Limited	1	14 Apr 1955	741317 31 Jan 1952	Registered	14-Apr-2014	RENEWAL HANDLED BY CLIENT;
GASIL	Word 017541-GB	Ineos Silicas Limited	1	18 Mar 1926 485400	482237 28 Jun 1974	Registered	18-Mar-2006	RENEWAL HANDLED BY CLIENT;
GASIL	Word 017541-GB-002	Ineos Silicas Limited	1	01 Nov 1927	485400 01 Nov 1927	Registered	01-Nov-2007	RENEWAL HANDLED BY CLIENT;
GASIL	Word 017541-GB-001	Ineos Silicas Limited	1	01 Nov 1927	485400 28 Jun 1974	Registered	01-Nov-2007	RENEWAL HANDLED BY CLIENT;
LUCILITE	Word 017599-GB	Ineos Silicas Limited	1	10 Jan 1987	903931 01 Sep 1983	Registered	10-Jan-2012	RENEWAL HANDLED BY CLIENT;
MACROSORB	Word 017600-GB	Ineos Silicas Limited	1	08 Jun 1984	1220436 08 Jun 1984	Registered	09-Jun-2015	RENEWAL HANDLED BY CLIENT;
METSO	Word 017609-GB	Ineos Silicas Limited	3	21 May 1931 544418	522981 06 Feb 1986	Registered	21-May-2011	RENEWAL HANDLED BY CLIENT;
METSO	Word 017609-GB-001	Ineos Silicas Limited	1	08 Sep 1933	544418 06 Feb 1986	Registered	09-Sep-2013	RENEWAL HANDLED BY CLIENT;
MICROCAL	Word 017610-GB	Ineos Silicas Limited	1	19 Apr 1984	1217226 28 Oct 1985	Registered	18-Apr-2015	RENEWAL HANDLED BY CLIENT;
MICROPIL	Word 017612-GB	Ineos Silicas Limited	1	05 Oct 1980	1433297 11 Mar 1980	Registered	05-Oct-2007	RENEWAL HANDLED BY CLIENT;
MICROSIL	Word 017613-GB	Ineos Silicas Limited	1	22 Sep 1948 672884	672884 23 Jul 1986	Registered	22-Sep-2007	RENEWAL HANDLED BY CLIENT;
MICROSIL	Word 017613-GB-001	Ineos Silicas Limited	1	23 Jul 1986	672884 23 Jul 1986	Registered	22-Sep-2007	RENEWAL HANDLED BY CLIENT;
NEOSYL	Word 017645-GB-001	Ineos Silicas Limited	1	27 Aug 1965	853829 07 Feb 1987	Registered	27-Aug-2010	RENEWAL HANDLED BY CLIENT;
	Word 12108-UK-A							

United Kingdom

Country Trademark	Orig	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
NEOSYL	Word	017845-GB	Ineos Silicas Limited	1	23 Sep 1931	525687	Registered	23-Sep-2011	RENEWAL HANDLED BY CLIENT;
PYRAMID	Word	12108-LJK	Ineos Silicas Limited	1		07 Feb 1987	Registered	14-Dec-2008	RENEWAL HANDLED BY CLIENT;
PYRAMID & logo	Word	017708-GB	Ineos Silicas Limited	1	14 Dec 1991	148806	Registered	30-Sep-2008	RENEWAL HANDLED BY CLIENT;
PYRAMID & logo	Word	12173-LJK	Ineos Silicas Limited	1	30 Sep 1993	08 May 1992	Registered	28-Apr-2009	RENEWAL HANDLED BY CLIENT;
QUANTUM	Word	017709-GB	Ineos Silicas Limited	1		854682	Registered	24-May-2006	RENEWAL HANDLED BY CLIENT;
QUASAR	Word	12174-LJK	Ineos Silicas Limited	1	28 Apr 1950	11 Jul 1958	Registered	24-Aug-2008	RENEWAL HANDLED BY CLIENT;
SILACROS	Word	017717-GB	Ineos Silicas Limited	1	24 May 1985	88823	Registered	10-Aug-2007	RENEWAL HANDLED BY CLIENT;
SORBSIL	Word	12161-LJK	Ineos Silicas Limited	4	24 Aug 1991	1474309	Registered	11-Jan-2009	RENEWAL HANDLED BY CLIENT;
SORBSIL	Word	017738-GB	Ineos Silicas Limited	1	10 Aug 1980	10 Jan 1992	Registered	18-Mar-2006	RENEWAL HANDLED BY CLIENT;
SORBSIL	Word	12205-LJK	Ineos Silicas Limited	1	11 Jan 1929	1435096	Registered		
SORBSIL	Word	017754-GB	Ineos Silicas Limited	1	18 Mar 1985	48813	Registered		
SORBSIL	Word	12221-LJK	Ineos Silicas Limited	1	18 Mar 1928	488236	Registered		
SORBSIL	Word	017754-GB	Ineos Silicas Limited	1	18 Mar 1985	488236	Registered		

COUNTRIES /

10 May 2005

Country	United States of America	Trademark	Orig/	Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
CHAMELEON	Word		Word	017484-US ISL001US01	CROSFIELD LIMITED	1	75-427558 20 Oct 1998	2807445 7 Dec 2004	Registered	7-Dec-2014	
CHILL-GARDE	Word		Word		To be confirmed	1		995510	Registered	15-Oct-2014	New application to be filed in the name of Ineos Silicas Limited
CRYSTAMET	Word		Word	017484-US ISL001US01	Ineos Silicas Limited	1	78-379971 08 Mar 2002	288938 31 Dec 2002	Registered	31-Dec-2012	
DRYMET	Word		Word	017484-US 11952-US	JOSEPH CROSFIELD & SONS LIMITED	8	41822 14 Apr 1955	371223 18 Sep 1939	Registered	18-Sep-2008	Currently being re-registered
MACROSORB	Word		Word		Ineos Silicas Limited.	1	78/472590 07 Jul 1998	2866079	Registered	27-Jul-2014	
NEOSYL	Word		Word	017645-US	JOSEPH CROSFIELD & SONS LIMITED	1	514093	1372008	Registered	25-Nov-2005	
PYRAMID & logo	Word		Word	12108-US 017708-US	JOSEPH CROSFIELD & SONS LIMITED	32	27 Aug 1985 70-028135	28 Nov 1985 28135	Registered	10-Nov-2006	
	Word		Word	12173-US			15 Oct 1998	10 Nov 1998			

COUNTRIES /

10 May 2005

Country Trademark	Venezuela	Orig/ Our/ Your reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
SORBSIL		017754-VE Word 12221-VE	JOSEPH CROSFIELD & SONS LIMITED	1		20398	Registered	09-Feb-2009	

Zambia

Country Trademark	Orig/ reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
SORBSIL	017754-ZM	JOSEPH CROSFIELD & SONS LIMITED	1	30 Jul 1953	77783	Registered	30-Jul-2012	
	Word 12221-ZM				24 Mar 1965			

Zimbabwe

Country Trademark	Orig/ reference	Registered Owner/ Department	International/ National Classes	No/ Date of Application	No/ Date Registration	Status	Next Renewal Due	Remarks
METSO	017608-ZW	CROSFIELD LIMITED	1	23 Feb 1959	394/59	Registered	23-Feb-2010	
METSO	12072-RH-A 017608-ZW-001	CROSFIELD LIMITED	3	21 Apr 1939	21 Mar 1960 9/38	Registered	21-Apr-2011	
PYRAMID	12072-RH 017708-ZW 12173-RH	CROSFIELD LIMITED	1	23 Feb 1959	395/59 08 May 1992	Registered	23-Feb-2010	

FILE COPY



CERTIFICATE OF THE REGISTRATION OF A MORTGAGE OR CHARGE

Pursuant to section 401(2) of the Companies Act 1985

COMPANY No. 00048745

THE REGISTRAR OF COMPANIES FOR ENGLAND AND WALES HEREBY CERTIFIES THAT A DEBENTURE DATED THE 16th DECEMBER 2005 AND CREATED BY INEOS SILICAS LIMITED FOR SECURING ALL MONIES DUE OR TO BECOME DUE FROM A CHARGING COMPANY OR ANY OTHER GROUP COMPANY TO ANY SECURED PARTY AND/OR ANY RECEIVER OR TO THE BP COLLATERAL AGENT AND/OR ANY BP CREDITOR ON ANY ACCOUNT WHATSOEVER UNDER THE TERMS OF THE AFOREMENTIONED INSTRUMENT CREATING OR EVIDENCING THE CHARGE WAS REGISTERED PURSUANT TO CHAPTER 1 PART XII OF THE COMPANIES ACT 1985 ON THE 23rd DECEMBER 2005.

GIVEN AT COMPANIES HOUSE, CARDIFF THE 4th JANUARY 2006.



THE OFFICIAL SEAL OF THE
REGISTRAR OF COMPANIES



Companies House

— for the record —