

## THE COMPANIES ACTS 1948 TO 1976

# Declaration of compliance with the requirements of the Companies Acts 1948 to 1976 on application for registration of a company

Pursuant to section 15(2) of the Companies Act 1948 as amended by the Companies Act 1976

# 41

Please do not write in this binding margin



Please complete legibly, preferably in black type, or bold black lettering

\* delete if inappropriate

Company number

1450327

Name of Company

Field Emission

Limited\*

CHARLES GEORGE STEPHEN SMITH

15 PEMBROKE ROAD

BRISTOL BS99 7DX

† Please indicate who you are a ☐ of the Court (or in Scotland a Solicitor) engaged in the formation of the company, or a person named as director or secretary of the company in the statement delivered under section 21 of the Companies Act 1976

do solemnly and sincerely declare that I am † a Solicitor of the Supreme Court engaged in the formation

of Field Emission Limited\*

and that all the requirements of the Companies Acts 1948 to 1976 in respect of matters precedent to the registration of the said company and incidental thereto have been complied with.

And I make this solemn Declaration conscientiously believing the same to be true and by virtue of the provisions of the Statutory Declarations Act 1835

Declared at 3 RICHMOND HILL  
BRISTOL BS8 1AY

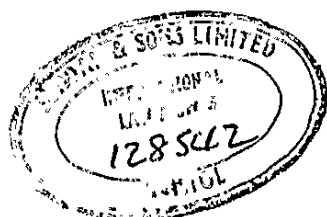
the 23rd day of August  
One thousand nine hundred and 79

before me  
A Commissioner for Oaths†

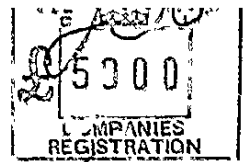
Presentor's name, address and reference (if any)

For official use  
General section

Post room



THE COMPANIES ACTS 1948 to 1976



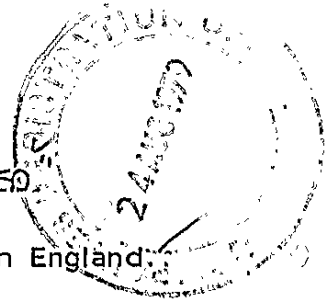
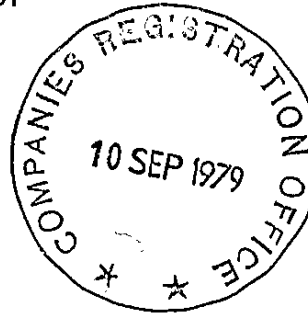
COMPANY LIMITED BY SHARES

1450327

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MEMORANDUM OF ASSOCIATION OF

FIELD EMISSION LIMITED



1. The name of the Company is "FIELD EMISSION LIMITED."
2. The registered office of the Company will be situate in England.
3. The objects for which the Company is established are:-
  - (a) To carry on all or any of the businesses of installers, fitters, servicers, manufacturers, designers, developers, repairers, exporters, importers, and merchants of, agents for, and dealers in electronic equipment and apparatus, medical, scientific, calculating, x-ray, recording and industrial instruments, precision pieces, laboratory equipment, appliances and apparatus of every description and of, and in machinery, plant, implements, accessories and engineering supplies and requisites of all kinds; laboratory technicians, research and design engineers and draughtsmen, to design and equip laboratories and similar establishments, and to undertake design and development work, researches, experiments and investigations of all kinds, to carry on all or any of the businesses of design draughtsmen, design consultants and engineering technicians, precision, mechanical, electrical, electronic, motor and general engineers, fitters and machinists, platers, annealers, forgers, rollers and drop stampers, vulcanisers, polishers and finishers, rubber and asbestos manufacturers and merchants, aluminium workers, alloy workers, stainless steel workers, ironmongers, hardware dealers, woodworkers, pattern makers, joiners, carpenters, haulage contractors, storekeepers, warehousemen, general merchants, agents and traders; and to manufacture, buy, sell, import, export, hire, let on hire, repair, convert, alter and deal in plant, machinery, tools, implements, goods, articles and things of all kinds capable of being advantageously dealt with in connection with the before-mentioned businesses or any of them or likely to be required by customers of or persons having dealings with the Company.

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(b) To carry on any other trade or business whatever which can in the opinion of the Board of Directors be advantageously carried on in connection with or ancillary to any of the business of the Company.

(c) To purchase or by any other means acquire and take options over any property whatever, and any rights or privileges of any kind over or in respect of any property.

(d) To apply for, register, purchase, or by other means acquire and protect, prolong and renew, whether in the United Kingdom or elsewhere any patents, patent rights, brevets d'invention, licences, secret processes, trade marks, designs, protections and concessions and to disclaim, alter, modify, use and turn to account and to manufacture under or grant licences or privileges in respect of the same, and to expend money in experimenting upon, testing and improving any patents, inventions or rights which the Company may acquire or propose to acquire.

(e) To acquire and undertake the whole or any part of the business, goodwill, and assets of any person, firm, or company carrying on or proposing to carry on any of the businesses which the Company is authorised to carry on and as part of the consideration for such acquisition to undertake all or any of the liabilities of such person, firm or company, or to acquire an interest in, amalgamate with, or enter into partnership or into any arrangement for sharing profits, or for co-operation, or for mutual assistance with any such person, firm or company, or for subsidising or otherwise assisting any such person, firm or company, and to give or accept, by way of consideration for any of the acts or things aforesaid or property acquired, any Shares, Debentures, Debenture Stock or securities that may be agreed upon, and to hold and retain, or sell, mortgage and deal with any shares, debentures, debenture stock or securities so received.

(f) To improve, manage, construct, repair, develop, exchange, let on lease or otherwise, mortgage, charge, sell, dispose of, turn to account, grant licences, options, rights and privileges in respect of, or otherwise deal with all or any part of the property and rights of the Company.

(g) To invest and deal with the moneys of the Company not immediately required in such manner as may from time to time be determined and to hold or otherwise deal with any investments made.

(h) To lend and advance money or give credit on such terms as may seem expedient and with or without security to customers and others, to enter into guarantees, contracts of indemnity and suretyships of all kinds, to receive money on deposit or loan upon such terms as the Company may approve and to secure or guarantee the payment of any sums of money or the performance of any obligation by any company, firm or person including any parent, subsidiary or fellow subsidiary company in such manner as the Company may think fit.

(i) To borrow and raise money in such manner as the Company shall think fit and to secure the repayment of any money borrowed, raised or owing by mortgage, charge, standard security, lien or other security upon the whole or any part of the Company's property or assets (whether present or future), including its uncalled capital, and also by a similar mortgage, charge, standard security, lien or security to secure and guarantee the performance by the Company of any obligation or liability it may undertake or which may become binding on it.

(j) To draw, make, accept, endorse, discount, negotiate, execute and issue promissory notes, bills of lading, warrants, debentures, and other negotiable or transferable instruments.

(k) To apply for, promote, and obtain any Act of Parliament, Provisional Order, or Licence of the Department of Trade or other authority for enabling the Company to carry any of its objects into effect, or for effecting any modification of the Company's constitution, or for any other purpose which may seem calculated directly or indirectly to promote the Company's interests, and to oppose any proceedings or applications which may seem calculated directly or indirectly to prejudice the Company's interests.

(l) To enter into any arrangements with any Government or authority (supreme, municipal, local, or otherwise) that may seem conducive to the attainment of the Company's objects or any of them, and to obtain from any such Government or authority any charters, decrees, rights, privileges or concessions which the Company may think desirable and to carry out, exercise, and comply with any such charters, decrees, rights, privileges, and concessions.

(m) To subscribe for, take, purchase, or otherwise acquire and hold shares or other interests in or securities of any other company having objects altogether or in part similar to those of the Company or carrying on any business capable of being carried on so as directly or indirectly to benefit the Company or enhance the value of any of its property and to co-ordinate, finance and manage the businesses and operations of any company in which the Company holds any such interest.

(n) To act as agents or brokers and as trustees for any person, firm or company, and to undertake and perform sub-contracts.

(o) To remunerate any person, firm or company rendering services to the Company either by cash payment or by the allotment to him or them of Shares or other securities of the Company credited as paid up in full or in part or otherwise as may be thought expedient.

(p) To pay all or any expenses incurred in connection with the promotion, formation and incorporation of the Company, or to contract with any person, firm or company to pay the same, and to pay commissions to brokers and others for underwriting, placing, selling, or guaranteeing the subscription of any Shares or other securities of the Company.

(q) To support and subscribe to any charitable or public object and to support and subscribe to any institution, society, or club which may be for the benefit of the Company or its Directors or employees, or may be connected with any town or place where the Company carries on business; to give or award pensions, annuities, gratuities, and superannuation or other allowances or benefits or charitable aid and generally to provide advantages, facilities and services for any persons who are or have been Directors of, or who are or have been employed by, or who are serving or have served the Company, or of any company which is a subsidiary of the Company or the holding company of the Company or a fellow subsidiary of the Company or of the predecessors in business of the Company or of any such subsidiary, holding or fellow subsidiary company and to the wives, widows, children and other relatives and dependants of such persons; to make payments towards insurance; and to set up, establish, support and maintain superannuation and other funds or schemes (whether contributory or non-contributory) for the benefit of any of such persons and of their wives, widows, children and other relatives and dependants; and to set up, establish, support and maintain profit sharing or share purchase schemes for the benefit of any of the employees of the Company or of any such subsidiary, holding or fellow subsidiary company and to lend money to any such employees or to trustees on their behalf to enable any such purchase schemes to be established or maintained.

(r) To promote any other company for the purpose of acquiring the whole or any part of the business or property and undertaking any of the liabilities of the Company, or of undertaking any business or operations which may appear likely to assist or benefit the Company or to enhance the value of any property or business of the Company, and to place or guarantee the placing of, underwrite, subscribe for, or otherwise acquire all or any part of the shares or securities of any such company as aforesaid.

(s) To sell or otherwise dispose of the whole or any part of the business or property of the Company, either together or in portions, for such consideration as the Company may think fit, and in particular for shares, debentures, or securities of any company purchasing the same.

(t) To distribute among the Members of the Company in kind any property of the Company of whatever nature.

(u) To procure the Company to be registered or recognised in any part of the world.

(v) To do all or any of the things or matters aforesaid in any part of the world and either as principals, agents, contractors or otherwise, and by or through agents, brokers, sub-contractors or otherwise and either alone or in conjunction with others.

(w) To do all such other things as may be deemed incidental or conducive to the attainment of the Company's objects or any of them.



The objects set forth in each sub-clause of this Clause shall not be restrictively construed but the widest interpretation shall be given

thereto, and they shall not, except where the context expressly so requires, be in any way limited or restricted by reference to or inference from any other object or objects set forth in such sub-clause or from the terms of any other sub-clause or from the name of the Company. None of such sub-clauses or the object or objects therein specified or the powers thereby conferred shall be deemed subsidiary or ancillary to the objects or powers mentioned in any other sub-clause, but the Company shall have as full a power to exercise all or any of the objects conferred by and provided in each of the said sub-clauses as if each sub-clause contained the objects of a separate company. The word "company" in this Clause, except where used in reference to the Company, shall be deemed to include any partnership or other body of persons, whether incorporated or unincorporated and whether domiciled in the United Kingdom or elsewhere.

4. The liability of the Members is limited.

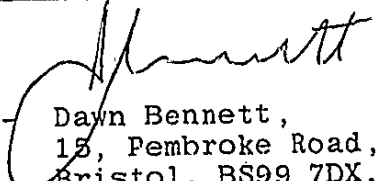
5. The Share Capital of the Company is £100 divided into 100 Shares of £1 each.

We, the several persons whose names, addresses, and descriptions are subscribed, are desirous of being formed into a Company in pursuance of this Memorandum of Association, and we respectively agree to take the number of Shares in the Capital of the Company set opposite our respective names.

Names, addresses and descriptions of Subscribers	Number of Shares taken by each Subscriber
  Michael Richard Counsell, 15, Pembroke Road, Bristol. BS99 7DX. Commercial Manager.	One
  Christopher Charles Hadler, 15, Pembroke Road, Bristol. BS99 7DX. Commercial Manager.	One

Dated 23rd August 1979

Witness to the above signatures:-

  
Dawn Bennett,  
15, Pembroke Road,  
Bristol. BS99 7DX.  
Clerk.

1450327

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THE COMPANIES ACTS 1948 to 1976

COMPANY LIMITED BY SHARES

ARTICLES OF ASSOCIATION OF

FIELD EMISSION LIMITED

#### PRELIMINARY

1. The Regulations contained or incorporated in Parts I and II of Table A in the First Schedule to the Companies Act 1948 (such Table being hereinafter called "Table A") shall apply to the Company save in so far as they are excluded or varied hereby and such Regulations (save as so excluded or varied) and the Articles hereinafter contained shall be the regulations of the Company.

#### FIRST DIRECTORS

2. (a) Clause 75 in Part I of Table A shall not apply to the Company.

(b) The number of the Directors shall be determined by the Company in General Meeting. In the event of the minimum number of Directors fixed by or pursuant to these Articles or Table A being one, a sole Director shall have authority to exercise all the powers and discretions by Table A or these Articles expressed to be vested in the Directors generally.

#### SHARES

3. The Shares shall be under the control of the Directors, who may allot and dispose of or grant options over the same to such persons, on such terms, and in such manner as they think fit.

#### DIRECTORS

4. (a) Every Director shall be a Permanent Director of the Company not subject to retirement by rotation unless the instrument of appointment provides otherwise. A Permanent Director shall, subject to the provisions of Clause 88 in Part I of Table A and subject to Section 28 of the Companies Act 1976 be entitled to hold office so long as he shall live unless he shall be removed from office under Clause 96 in Part I of Table A; and accordingly Clauses 89 to 94 in Part I of Table A shall not apply to any Permanent Director.

(b) A Director may vote as a Director in regard to any contract or arrangement in which he is interested or upon any matter arising thereout, and if he shall so vote his vote shall be counted and he shall be reckoned in estimating a quorum when any such contract or arrangement is under consideration; and Clause 84 in Part I of Table A shall be modified accordingly.



## BORROWING POWERS

5. The Directors may exercise all the powers of the Company to borrow money without limit as to amount and upon such terms and in such manner as they think fit, and to grant any mortgage, charge or Standard Security over its undertaking, property and uncalled capital, or any part thereof, and to issue Debentures, Debenture Stock, and other securities whether outright or as security for any debt, liability or obligation of the Company or of any third party, and the Proviso to Clause 79 in Part I of Table A shall not apply to the Company.

## ACCOUNTS

6. The accounts and other documents to be prepared by the Directors under Clause 126 in Part I of Table A shall be prepared in accordance with Sections 148, 150 and 157 of the Companies Act 1948 as amended by Sections 16 to 22 inclusive of the Companies Act 1957 and as further amended by Part I of the Companies Act 1976.

## INDEMNITY

7. (a) Every Director or other officer of the Company shall be indemnified out of the assets of the Company against all losses or liabilities which he may sustain or incur in or about the execution of the duties of his office or otherwise in relation thereto, including any liability incurred by him in defending any proceedings, whether civil or criminal, in which judgement is given in his favour or in which he is acquitted or in connection with any application under Section 448 of the Companies Act 1948, in which relief is granted to him by the Court, and no Director or other officer shall be liable for any loss, damage or misfortune which may happen to or be incurred by the Company in the execution of the duties of his office or in relation thereto. But this Article shall only have effect in so far as its provisions are not avoided by Section 205 of the Companies Act 1948.

(b) Accordingly, Clause 136 in Part I of Table A shall not apply to the Company.

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Names, addresses and descriptions of Subscribers

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Michael Richard Counsell,  
15, Pembroke Road,  
Bristol. BS99 7DX.  
Commercial Manager.

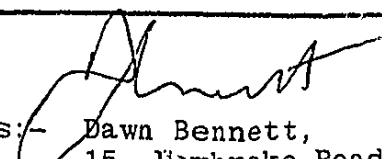


Christopher Charles Hadler,  
15, Pembroke Road,  
Bristol. BS99 7DX.  
Commercial Manager.

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Dated 23rd August 1979

Witness to the above signatures:-



Dawn Bennett,  
15, Pembroke Road,  
Bristol. BS99 7DX.  
Clerk.



THE COMPANIES ACTS 1948 TO 1976

Form No. 1

Statement of first directors and  
secretary and intended situation  
of registered office

Pursuant to sections 21 and 23(2) of the Companies Act 1976

Please do not  
write in this  
binding margin

Please complete  
legibly, preferably  
in black type, or  
bold black lettering

Company number

1450327/S

Name of Company

Field Commission

Limited\*

\*delete if  
inappropriate

The intended situation of the registered office of the company  
on incorporation is as stated below

c/o Messrs. S.R.G.Banks,

Petherwyn, Carnegie Road, Newbury, Berks.

If the memorandum is delivered by an agent for the subscribers of  
the memorandum, please mark 'X' in the box opposite and insert the  
agent's name and address below



JORDAN & SONS LTD.

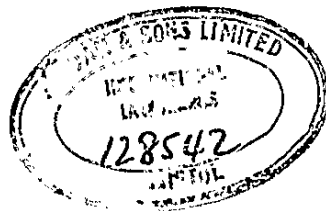
15 PEMBROKE ROAD

BRISTOL BS60 7DX

If the spaces provided on page 2 are insufficient and use has been made  
of continuation sheets (see note 1), please enter in the box opposite  
the number of continuation sheets which form part of this statement



Presenter's  
reference (if any):



For official use  
General section

Post room



The name(s) and particulars of the person who is, or the persons who are, to be the first director or directors of the company are as follows:

Please do not write in this binding margin



### Important

The particulars to be given are those referred to in section 21(2)(a) of the Companies Act 1976 and section 200(2) of the Companies Act 1948. Please read the notes on page 4 before completing this part of the form.

Name (note 2)	DAVID HUGHES	Business occupation	
		ENGINEER	
Former name(s) (note 3)	NONE	Nationality	
Address (note 4)	36, ESSEX STREET, NEWBURY	Date of birth (where applicable) (note 6)	
Particulars of other directorships (note 5)			
NONE			
I hereby consent to act as director of the company named on page 1			
Signature		Date 16th August, 1979	

Name (note 2)		Business occupation	
Former name(s) (note 3)		Nationality	
Address (note 4)		Date of birth (where applicable) (note 6)	
Particulars of other directorships (note 5)			
I hereby consent to act as director of the company named on page 1			
Signature		Date	

Name (note 2)		Business occupation	
Former name(s) (note 3)		Nationality	
Address (note 4)		Date of birth (where applicable) (note 6)	
Particulars of other directorships (note 5)			
I hereby consent to act as director of the company named on page 1			
Signature		Date	

Please do not  
write in this  
binding margin.



### Important

The particulars  
to be given are  
those referred to  
in section  
21(2)(b) of the  
Companies Act  
1976 and section  
200(3) of the  
Companies Act  
1948. Please  
read the notes  
on page 4 before  
completing this  
part of the form.

The name(s) and particulars of the person who is, or the persons who are,  
to be the first secretary, or joint secretaries, of the company are as follows:

Name (notes 2 & 7)	MRS JEAN MARGARET HUGHES
Former name(s) (note 3)	NONE
Address (notes 4 & 7)	36, ESSEX STREET, NEWBURY
I hereby consent to act as secretary of the company named on page 1	
Signature	X <i>Jean M. Hughes</i> Date <i>16.8.79</i>

Name (notes 2 & 7)	
Former name(s) (note 3)	
Address (notes 4 & 7)	
I hereby consent to act as secretary of the company named on page 1	
Signature	Date

as required by  
section 21(3) of  
the Companies  
Act 1976

delete as  
appropriate

Signed by or on behalf of the subscribers of the memorandum\*

Signature *[Signature]* [Subscriber] [Agent]† Date *16.8.79*

Signature *[Signature]* [Subscriber] [Agent]† Date *16.8.79*

*EDAN & SONS LIMITED*  
LTD. 1973



## CERTIFICATE OF INCORPORATION

No. 1450327

I hereby certify that

**FIELD EMISSION LIMITED**

is this day incorporated under the Companies Acts 1948 to 1976 and that the Company is Limited.

Given under my hand at Cardiff the

**25TH SEPTEMBER 1979**

A handwritten signature in dark ink, appearing to read 'E. A. Wilson'.

**E. A. WILSON**

*Assistant Registrar of Companies*