



Company No. 01450327

**FIELD EMISSION LIMITED**

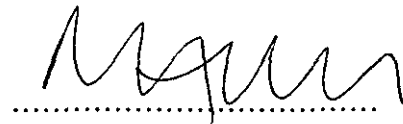
**("the Company")**

**WRITTEN RESOLUTION OF THE SOLE MEMBER PURSUANT TO  
SECTION 381A OF THE COMPANIES ACT 1985**

I, the undersigned, being the sole member of the Company who at the date of this resolution would be entitled to attend and vote at general meetings of the Company, **HEREBY PASS** the following resolution as a special resolution and agree that the said resolution shall, for all purposes, be as valid and effective as if the same had been passed at a general meeting of the Company duly convened and held:

**RESOLUTION**

**THAT** the provisions of the Articles of Association of the Company be amended by the deletion of the existing Articles and the insertion of the Articles in the form annexed.

  
.....

N I Hughes

Dated: 23 November 2001



**THE COMPANIES ACTS 1985 TO 1989**

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**PRIVATE COMPANY LIMITED BY SHARES**

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**ARTICLES OF ASSOCIATION**

**OF**

**FIELD EMISSION LIMITED**

**TROWERS & HAMLINS**

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**THE COMPANIES ACTS 1985 TO 1989**

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**PRIVATE COMPANY LIMITED BY SHARES**

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**ARTICLES OF ASSOCIATION**

**OF**

**FIELD EMISSION LIMITED**

**1. PRELIMINARY**

- 1.1 The regulations contained in Table A in the Schedule to the Companies (Tables A to F) Regulations 1985 (SI 1985 No. 805) as amended by the Companies (Tables A to F) (Amendment) Regulations 1985 (SI 1985 No.1052) and the Companies Act 1985 (Electronic Communications ) Order 2000 (such table being hereinafter called "Table A") shall apply to the Company save in so far as they are excluded or varied) and the Articles hereinafter contained shall be the Articles of Association of the Company.
- 1.2 In these Articles the expression "the Act" means the Companies Act 1985, but so that any reference in these Articles to any provision of the Act shall be deemed to include a reference to any statutory modification or re-enactment of that provision for the time being in force.

**2. ALLOTMENT OF SHARES**

- 2.1 Shares which are comprised in the authorised share capital of the Company (whether forming part of the original or any increased share capital) shall be under the control of the directors (subject to section 80 of the Act and to Article 2.4 below) shall have general and unconditional authority to allot, grant options over or otherwise dispose of the same, to such persons, on such terms and in such manner as they think fit.

- 2.2 All shares which are not comprised in the authorised share capital with which the Company is incorporated and which the directors propose to issue shall be offered to the members in proportion as nearly as may be to the number of the existing shares held by them respectively unless the Company in general meeting shall by special resolution otherwise direct. The offer shall be made by notice specifying the number of shares offered, and limiting a period (not being less than 14 days) within which the offer, if not accepted, will be deemed to be declined. After the expiration of that period, those shares so deemed to be declined shall be offered in the proportion aforesaid to the persons who have, within the said period, accepted all the shares offered to them; such further offer shall be made in like terms in the same manner and limited by a like period as the original offer. Any shares not accepted pursuant to such offer or further offer as aforesaid or not capable of being offered as aforesaid except by way of fractions and any shares released from the provisions of this Article by any such special resolution as aforesaid shall be under the control of the directors, who shall have general and unconditional authority to allot, grant options over or otherwise dispose of the same to such persons, on such terms, and in such manner as they think fit, provided that, in the case of shares not accepted as aforesaid, such shares shall not be disposed of on terms which are more favourable to the subscribers therefor than the terms on which they were offered to the members. The foregoing provisions of this Article 2.2 shall have effect subject to section 80 of that Act.
- 2.3 In accordance with section 91(1) of the Act sections 89(1) and 90(1) to (6) (inclusive) of the Act shall not apply to the Company.
- 2.4 The directors are generally and unconditionally authorised for the purposes of section 80 of the Act to exercise any power of the Company to allot and grant rights to subscribe for or convert securities into shares of the Company up to the amount of the authorised share capital with which the Company is incorporated at any time or times during the period of five years from the date of incorporation and the directors may, after that period, allot any shares or grant any such rights under this authority in pursuance of an offer or agreement so to do made by the Company within that period. The authority hereby given may be any time (subject to the said section 80) be renewed, revoked or varied by ordinary resolution.
3. **SHARES**
- 3.1 The lien conferred by regulation 8 in Table A shall attach also to fully paid-up shares, and the Company shall also have a first and paramount lien on all shares, whether fully paid or not, standing registered in the name of any person indebted or under liability to the Company, whether he shall be the sole registered holder thereof or shall be one of two or more joint holders, for all moneys presently payable by him or his estate to the Company. Regulation 8 in Table A shall be modified accordingly.

- 3.2 The liability of any member in default in respect of a call shall be increased by the addition at the end of the first sentence of regulation 18 in Table A of the words "and all expenses that may have been incurred by the Company by reason of such non-payment".

#### **4. GENERAL MEETINGS AND RESOLUTIONS**

- 4.1 Every notice convening a general meeting shall comply with the provisions of section 372(3) of the Act as to giving information to members in regard to their right to appoint proxies; and notices of and other communications relating to any general meeting which any member is entitled to receive shall be sent to the directors and to the auditors for the time being of the Company.
- 4.2 No business shall be transacted at any general meeting unless a quorum is present. Subject to Article 4.2.1 below, two persons entitled to vote upon the business to be transacted, each being a member or a proxy for a member or a duly authorised representative of a corporation, shall be a quorum.
- 4.2.1 If and for so long as the Company has only one member, that member present in person or by proxy or (if that member is a corporation) by a duly authorised representative shall be a quorum.
- 4.2.2 If a quorum is not present within half an hour from the time appointed for a general meeting the general meeting shall stand adjourned to the same day in the next week at the same time and place or to such other day and at such other time and place as the directors may determine; and if at the adjourned general meeting a quorum is not present within half an hour from the time appointed therefor such adjourned general meeting shall be dissolved.
- 4.2.3 Regulations 40 and 41 in Table A shall not apply to the Company.
- 4.3 If and for so long as the Company has only one member and that member takes any decision which is required to be taken in general meeting or by means of a written resolution, that decision shall be as valid and effectual as if agreed by the Company in general meeting, subject as provided in Article 4.3.2 below.
- 4.3.1 Any decision taken by a sole member pursuant to Article 4.2 above shall be recorded in writing and delivered by that member to the Company for entry in the Company's minute book.
- 4.3.2 Resolutions under section 303 of the Act for the removal of a director before the expiration of his period of office and under section 391 of the Act for the removal of an auditor

before the expiration of his period of office shall only be considered by the Company in general meeting.

- 4.3.3 Regulation 53 of Table A is modified by the addition at the end of the following sentence: "If a resolution in writing is described as a special resolution or as an extraordinary resolution, it has effect accordingly."
- 4.3.4 A member present at a meeting by proxy shall be entitled to speak at the meeting and shall be entitled to one vote on a show of hands. In any case where the same person is appointed proxy for more than one member he shall on a show of hands have as many votes as the number of members for whom he is proxy. Regulation 54 in Table A shall be modified accordingly.
- 4.3.5 Regulation 57 of Table A is modified by the inclusion after the word "shall" of the phrase, "unless the directors otherwise determine".
- 4.3.6 Unless resolved by ordinary resolution that regulation 62 in Table A shall apply without modification, the instrument appointing a proxy and any authority under which it is executed or a copy of such authority certified notarially or in some other way approved by the directors may be deposited at the place specified in regulation 62 in Table A up to the commencement of the meeting or (in any case where a poll is taken otherwise than at the meeting) of the taking of the poll or may be handed to the chairman of the meeting prior to the commencement of the business of the meeting.

## **5. APPOINTMENT OF DIRECTORS**

- 5.1 Regulation 64 in Table A shall not apply to the Company.
  - 5.1.1 The maximum number and minimum number respectively of the directors may be determined from time to time by ordinary resolution. Subject to and in default of any such determination there shall be no maximum number of directors and the minimum number of directors shall be two.
- 5.2 The directors shall not be required to retire by rotation and regulations 73 to 80 (inclusive) in Table A shall not apply to the Company.
- 5.3 No person shall be appointed a director at any general meeting unless either:-
  - 5.3.1 he is recommended by the directors; or

- 5.3.2 not less than 14 nor more than 35 clear days before the date appointed for the general meeting, notice signed by a member qualified to vote at the general meeting has been given to the Company of the intention to propose that person for appointment, together with notice signed by that person of his willingness to be appointed.
- 5.4 The holders for the time being of a majority of the Ordinary Shares of the Company for the time being in issue may from time to time appoint any person or persons as a Director or Directors of the Company and may remove any or all of the Directors for the time being. Any such appointment or removal shall be made in writing signed by the holder or holders for the time being of the majority of the Ordinary Shares of the Company for the time being in issue and, in the case of a body corporate holding any such shares, the signature of any one of its Directors or its duly appointed representative shall suffice. Any such appointment or removal shall take effect on and from the time at which it is lodged at the Office.
- 5.4.1 The directors may appoint a person who is willing to act to be a director, either to fill a vacancy or as an additional director, provided that the appointment does not cause the number of directors to exceed any number determined in accordance with Article 5.1.1 above as the maximum number of directors and for the time being in force.

## **6. BORROWING POWERS**

- 6.1 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 subject (in the case of any security convertible into shares to section 80 of the Act 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.

## **7. ALTERNATE DIRECTORS**

- 7.1 Unless otherwise determined by the Company in general meeting by ordinary resolution an alternate director shall not be entitled as such to receive any remuneration from the Company, save that he may be paid by the Company such part (if any) of the remuneration otherwise payable to his appointor as such appointor may by notice in writing to the Company from time to time direct, and the first sentence of regulation 66 in Table A shall be modified accordingly.
- 7.2 A director or any such other person as is mentioned in regulation 65 in Table A, may act as an alternate director to represent more than one director, and an alternate director to represent more than one director, and an alternate director shall be entitled at any meeting

of the directors or of any committee of the directors to one vote for every director whom he represents in addition to his own vote (if any) as a director, but he shall count as only one for the purpose of determining whether a quorum is present.

## **8. GRATUITIES AND PENSIONS**

8.1 The directors may exercise the powers of the Company conferred by its Memorandum of Association in relation to the payment of pensions, gratuities and other benefits and shall be entitled to retain any benefits received by them or any of them by reason of the exercise of any such powers.

8.2 Regulation 87 in Table A shall not apply to the Company.

## **9. PROCEEDINGS OF DIRECTORS**

9.1 All directors must be given notice of a meeting irrespective of whether they are absent from the United Kingdom and Regulation 88 of Table A shall be amended accordingly.

9.2 A director may vote, at any meeting of the directors or of any committee of the directors, on any resolution, notwithstanding that it in any way concerns or relates to a matter in which he has, directly or indirectly, any kind of interest whatsoever, and if he shall vote on any such resolution his vote shall be counted; and in relation to any such resolution as aforesaid he shall (whether or not he shall vote on the same) be taken into account in calculating the quorum present at the meeting.

9.3 Each director shall comply with his obligations to disclose his interest in contracts under section 317 of the Act.

9.4 A director or his alternate may validly participate in a meeting of the directors or a committee of directors through the medium of a conference telephone or similar form of communication equipment if all persons participating in the meeting are able to hear and speak to each other throughout the meeting. A person participating in this way is deemed to be present in person at the meeting and is counted in a quorum and entitled to vote. Subject to the Act, all business transacted in this way by the directors or a committee of directors is for the purposes of the articles deemed to be validly and effectively transacted at a meeting of the directors or of a committee of directors although fewer than two directors or alternate directors are physically present at the same place. The meeting is deemed to take place with the largest group of those participating at assembled or, if there is not such group, where the chairman of the meeting then is.



9.5 Regulations 94 to 97 (inclusive) in Table A shall not apply to the Company.

## 10. THE SEAL

10.1 If the Company has a seal it shall only be used with the authority of the directors or of a committee of directors. The directors may determine who shall sign any instrument to which the seal is affixed and unless otherwise so determined it shall be signed by a director and by the secretary or second director. The obligation under regulation 6 of Table A relating to the sealing of share certificates shall apply only if the Company has a seal. Regulation 101 in Table A shall not apply to the Company.

10.2 The Company may exercise the powers conferred by section 39 of the Act with regard to having an official seal for use abroad, and such powers shall be vested in the directors.

## 11. NOTICES

11.1 Without prejudice to regulations 112 to 116 (inclusive) in Table A, the Company may give notice to a member by electronic means provided that:-

11.1.1 the member has given his consent in writing to receiving notice communicated by electronic means and in such consent has set out an address to which the notice shall be sent by electronic means; and

11.1.2 the electronic means used by the Company enables the member concerned to read the text of the notice.

11.2 A notice given to a member personally or in a form permitted by Article 11.1 above shall be deemed to be given on the earlier of the day on which it is delivered personally and the day on which it was despatched by electronic means, as the case may be.

11.3 Regulation 115 in Table A shall not apply to a notice delivered personally or in a form permitted or in a form permitted by Article 11.1 above.

11.4 A notice sent to a member (or another person entitled to receive notices under the articles) by post to an address within the United Kingdom is deemed to be given:

11.4.1 24 hours after posting, if pre-paid as first class; or

11.4.2 48 hours after posting, if pre-paid as second class.

- 11.5 In this article "electronic" means actuated by electric, magnetic, electromagnetic, electro-chemical or electro-mechanical energy and "by electronic means" means by any manner only capable of being so actuated.

**12. INDEMNITY**

- 12.1 Every director, alternate director and secretary of the Company shall be indemnified out of the assets of the Company against all costs, charges, losses and liabilities which he may sustain or incur in or about the proper 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, or in connection with any application under section 144 or section 727 of the Act in which relief is granted to him by the Court, and no director or other officer shall be liable for any costs, charges, losses and liabilities which may happen to or be incurred by the Company in the proper 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 310 of the Act or otherwise unlawful.

- 12.2 The directors may exercise all the powers of the Company to purchase and maintain for any director, officer or auditor of the Company insurance against any such liability as is referred to in section 310(1) of the Act.

- 12.3 Regulation 118 in Table A shall not apply to the Company.

**13. TRANSFER OF SHARES**

- 13.1 The directors may, in their absolute discretion and without assigning any reason therefor, decline to register the transfer of a share, whether or not it is a fully paid share, and the first sentence of regulation 24 in Table A shall not apply to the Company.