

06-16-1998



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**Correspondent Name and Address**

Area Code and Telephone Number

503-621-3286

Name Robert L. Flye

Address (line 1) Borealis Exploration Incorporated

Address (line 2) 23545 NW Skyline Blvd

Address (line 3) Hillsboro, OR 97124-9204

Address (line 4)

**Pages**

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# 3

**Application Number(s) or Patent Number(s)**

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Patent Application Number(s)

Patent Number(s)

08/744,574

08/770,674

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT

PCT

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Rodney T. Cox, President

May 27, 1998

Name of Person Signing

Signature

Date

**BOREALIS TECHNICAL LIMITED**

27 HEATHWAY COURT  
LONDON HAMPSTEAD NW3 7TS

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Fax 011-44-181-455-8701

E-mail [rtc@borealis.com](mailto:rtc@borealis.com)

5 11 2

1998 May 27

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

**Appointment of Domestic Representative**

Borealis Technical Limited hereby appoints as its domestic representative with the United States Patent and Trademark Office:

Borealis Exploration Incorporated  
23545 NW Skyline Blvd  
Hillsboro, OR 97124-9204



**Borealis Technical Limited**

Rodney T. Cox, Ph.D.  
President/Chairman

Assignment of Invention and Patent Application

For value received, JONATHAN Sidney Edelson

of 23545 NW Skyline Boulevard  
Hillsboro, Oregon 97124-9204

(hereinafter ASSIGNOR), hereby sells, assigns, transfers, and sets over unto  
Borealis Technical Limited

of 27 Heathway Court, London NW3 7TS, England

and her or his successors or assigns (hereinafter ASSIGNEE) 100 % of the following: (A) ASSIGNOR'S  
right, title and interest in and to the invention entitled "Low Work-Function Electrode"

invented by ASSIGNOR; (B) the application for United States patent therefor, signed by ASSIGNOR on  
1996 Nov 6, U.S. Patent and Trademark Office Serial Number 08/744,574

filed 1996 Nov. 6; (C) any patent or reissues of any patent that may be  
granted thereon; and (D) any applications which are continuations, continuations-in-part, substitutes, or  
divisions of said application. ASSIGNOR authorizes ASSIGNEE to enter the date of signature and/or Serial  
Number and Filing Date in the spaces above. ASSIGNOR also authorizes and requests the Assistant Commis-  
sioner for Patents to issue any resulting patent(s) as follows: 0 % to ASSIGNOR and 100  
% to ASSIGNEE. (The singular shall include the plural and vice-versa herein.)

ASSIGNOR hereby further sells, assigns, transfers, and sets over unto ASSIGNEE the above percentage of  
ASSIGNOR'S entire right, title and interest in and to said invention in each and every country foreign to the  
United States; and ASSIGNOR further conveys to ASSIGNEE the above percentage of all priority rights resulting  
from the above-identified application for United States patent. ASSIGNOR agrees to execute all papers, give any  
required testimony and perform other lawful acts at ASSIGNEE'S expense, as ASSIGNEE may require to enable  
ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent of the United States and countries foreign  
thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions  
thereof, and ASSIGNEE'S interest therein

In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below

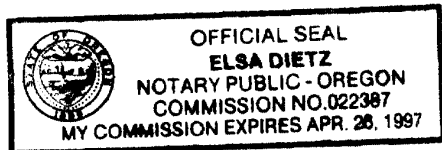
[Signature]

State: Oregon  
County: Multnomah } ss

Subscribed and sworn to before me 4/4 , 1997

[Signature]  
Notary Public

SEAL



Assignment of Invention and Patent Application

For value received, Jonathan Sidney Edelson

of 23545 NW Skyline Boulevard  
Hillsboro, Oregon 97124-9204

(hereinafter ASSIGNOR), hereby sells, assigns, transfers, and sets over unto  
Borealis Technical Limited

of 27 Heathway Court, London NW3 7TS, England

and her or his successors or assigns (hereinafter ASSIGNEE) 100 % of the following: (A) ASSIGNOR'S  
right, title and interest in and to the invention entitled "Method and Apparatus for  
Thermionic Generator"

invented by ASSIGNOR; (B) the application for United States patent therefor, signed by ASSIGNOR on  
1996 Dec 20 U.S. Patent and Trademark Office Serial Number 08/770, ~~674~~ 674

*26 51-9108*

filed 1996 Dec. 20 (C) any patent or reissues of any patent that may be  
granted thereon; and (D) any applications which are continuations, continuations-in-part, substitutes, or  
divisions of said application. ASSIGNOR authorizes ASSIGNEE to enter the date of signature and/or Serial  
Number and Filing Date in the spaces above. ASSIGNOR also authorizes and requests the Assistant Commis-  
sioner for Patents to issue any resulting patent(s) as follows: 0 % to ASSIGNOR and 100  
% to ASSIGNEE. (The singular shall include the plural and vice-versa herein.)

ASSIGNOR hereby further sells, assigns, transfers, and sets over unto ASSIGNEE the above percentage of  
ASSIGNOR'S entire right, title and interest in and to said invention in each and every country foreign to the  
United States; and ASSIGNOR further conveys to ASSIGNEE the above percentage of all priority rights resulting  
from the above-identified application for United States patent. ASSIGNOR agrees to execute all papers, give any  
required testimony and perform other lawful acts, at ASSIGNEE'S expense, as ASSIGNEE may require to enable  
ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent of the United States and countries foreign  
thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions  
thereof, and ASSIGNEE'S interest therein.

In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.

*Jonathan Sidney Edelson*

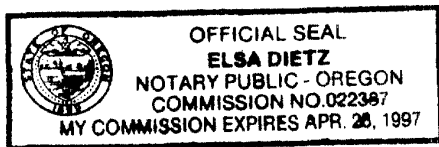
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County: Multnomah } ss

Subscribed and sworn to before me 4/4, 1997

*Elsa Dietz*  
Notary Public

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Form 16-2A

PATENT

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