

11-22-2005



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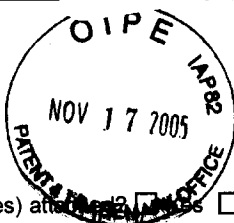
To the Director of the U.S. Patents and

Trademark Office, and the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Norman Freeman

11/17/05



Additional name of conveying party(ies) attached ☐ Yes ☐ No

2. Name and address of receiving party(ies)

Name: Hydrogenics Corporation

Internal Address:

Street Address: 5985 McLaughlin Road

City: Mississauga

State: Ontario

Country: Canada Zip: L5R 1B8

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

Execution Date(s) November 2, 2005

- ☒ Supplemental Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

4. Application number(s) or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

10/771,152

11/18/2005 HALI11 00000084 10771152

01 FC:8021

(40.00 OP)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Bereskin & Parr

Internal Address:

Street Address: 40 King Street West

City: Toronto

State: Ontario Zip: M5H 3Y2

Phone Number: (416) 364-7311

Fax Number: (416) 361-1398

Email Address:

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed # 7860
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 02-2095

Authorized User Name _____

9. Signature :

November 11, 2005

Signature
Ian C. McMillan Registration No. 43,390

Date

Total number of pages including cover sheet, attachments, and documents 3

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

PATENT
REEL: 017243 FRAME: 0660

UNITED STATES
SUPPLEMENTAL ASSIGNMENT

WHEREAS **RAVI B. GOPAL**, and I, **NORMAN FREEMAN**, whose full post office addresses are **2059 Glenforest Crescent, Oakville, Ontario, L6J 2G5, Canada**, and **110 Nahanni Drive, Richmond Hill, Ontario, L4B 4L5, Canada**, have invented certain new and useful improvements in an invention entitled **SYSTEM AND METHOD FOR MEASURING INTERNAL RESISTANCE OF ELECTROCHEMICAL DEVICES** for which an application for United States Letters Patent was filed on **February 4, 2004** as Serial No. **10/771,152**.

AND WHEREAS, **Hydrogenics Corporation**, a corporation of **Ontario**, of **5985 McLaughlin Road, Mississauga, Ontario, L5R 1B8, Canada**, has acquired from **RAVI B. GOPAL**, his whole right, title and interest for the United States of America and all other countries in and to the said invention and in and to any Letters Patent that may be obtained therefor, and in and to said application, as indicated in an assignment document previously recorded in the United States Patent and Trademark Office at reel 015555, frame 0990.

AND WHEREAS, **Hydrogenics Corporation**, has also acquired from me, **NORMAN FREEMAN**, my whole right, title and interest for the United States of America and all other countries in and to the said invention and in and to any Letters Patent that may be obtained therefor, and in and to said application.

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of all of which is hereby acknowledged, I, **NORMAN FREEMAN**, by these presents confirm that I have sold, assigned and transferred and do hereby sell, assign and transfer unto the said **Hydrogenics Corporation**, my full and exclusive right to the said invention in the United States of America and all other countries and my entire right, title and interest in and to any and all Letters Patent which may be granted therefor, and my entire right, title and interest in and to said application, and in and to any divisions, continuations, continuations-in-part and extensions of said application, together with the right to claim the benefit of the right of priority provided by the International

Convention for the Protection of Industrial Property based on said application for United States Letter Patent.

I agree that I will without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and maintain patents for said invention and for additions and modifications thereto in any and all countries, and to vest title thereto in said assignee, its successors, assigns and legal representatives or nominees.

I hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said **Hydrogenics Corporation**, the assignee of the entire right, title and interest in and to the same, for its sole use and benefit, and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made.

The undersigned hereby grant(s) the firm of Bereskin & Parr (Box 401, 40 King Street West, Toronto, Ontario, Canada M5H 3Y2) the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

SIGNED this 2nd day of November, 2005, at

Witness



Norman Freeman