

Client Code: GOWLVAN1.001CP3

RECORDAT
I

12-20-2002



102318281

copy thereof.

TO THE ASSISTANT COMMISSIONER FOR PATENTS: I

Name of conveying party(ies): (If multiple assignors, list numerically)

- 1. Partho Sarkar
- 2. Lorne Johanson
- 3. Hongsang Rho

12-13-02

2. Name and address of receiving party(ies):

Name: Alberta Research Council Inc.
Internal Address: same as street address
Street Address: 250 Karl Clark Road
City: Edmonton, Alberta **State:** Canada **ZIP:** T6N 1E4

Additional name(s) of conveying party(ies) attached?

() Yes (X) No

Additional name(s) of receiving party(ies) attached?

() Yes (X) No

3. Nature of conveyance:

- (X) Assignment
- () Merger
- () Security Agreement
- () Change of Name
- () Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) 1. October 31, 2002, 2. October 31, 2002, 3. October 31, 2002

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

- () Application(s) filed herewith Execution Date(s):
- (X) Patent Application No.: 10/207,668
Filing Date: July 25, 2002
- () Patent No.:
Issue Date:

Additional numbers attached? () Yes (X) No

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

Name: Adeel S. Akhtar
 KNOBBE, MARTENS, OLSON & BEAR, LLP
 Customer No. 20,995
Internal Address: Fourteenth Floor
Street Address: 2040 Main Street
City: Irvine **State:** CA **ZIP:** 92614
Attorney's Docket No.: GOWLVAN1.001CP3

7. Total fee (37 CFR 1.21(h)): \$40

- (X) Enclosed
- () Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.

Adeel S. Akhtar
Name of Person Signing

Adeel Syed Akhtar
Signature

December 11, 2002
Date

41,394
Registration No.

Total number of pages including cover sheet, attachments and document: 5

Mail documents to be recorded with required cover sheet information to:

12/19/2002 LMUELLER 00000081 10207668

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U.S. Patent and Trademark Office
 Attn: Assignment Division
 Crystal Gateway-4
 1213 Jefferson Davis Highway, Suite 320
 Arlington, VA 22202

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121102

ASSIGNMENT OF APPLICATION

WHEREAS, WE: **Partho Sarkar** of #34 – 3221 – 119th Street, Edmonton, Alberta, Canada T6J 5K7, **Lorne Johanson** of 11324 – 111A Avenue, Edmonton, Alberta, Canada T5G 0E8 and **Hongsang Rho** of 11004 – 11th Avenue NW, Edmonton, Alberta, Canada T6J 6M8 together, have invented certain new and useful improvements in: METAL-SUPPORTED TUBULAR MICRO-FUEL CELL for which an application for Letters Patents has been made in the United States under Serial No. 10/207,668.

WHEREAS, **ALBERTA RESEARCH COUNCIL INC.** (hereinafter referred to as "ASSIGNEE") having a place of business at 250 Karl Clark Road, Edmonton, Alberta, Canada T6N 1E4, is desirous of acquiring the joint right, title and interest in and to said invention and in and to any Letters Patents that may be granted therefor in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, WE, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patents which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

WE hereby authorize and request the Patent Office Officials in all foreign countries to issue any and all of said Letters Patents, when granted, to said ASSIGNEE as the assignee of our entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patents may be granted, as fully and entirely as the same would have been held by us had this Assignment and sale not been made.

Further, WE agree that WE will communicate to said ASSIGNEE or its representatives any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patents to be

issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain anti enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

EXECUTED at Edmonton, Alberta, Canada, this 31st

day of October, 2002.

Witness:

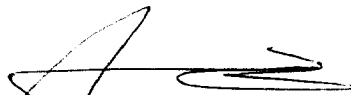
Inventor:




Partho Sarkar

NOTARIAL CERTIFICATE

On this 31 day of October, 2002, before me, personally appeared Partho Sarkar, known to me to be the individual who executed the foregoing instrument, and who acknowledged to me that he executed the same of his own free will and for the purpose therein set forth.


Notary Public in and for the Province of
Alberta.
My Commission is for life.


**ANNE L. G. COTE
BARRISTER & SOLICITOR**

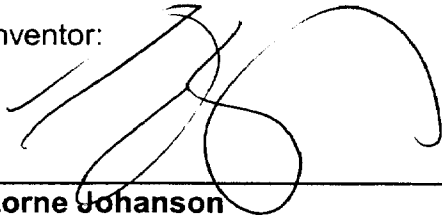
EXECUTED at Edmonton, Alberta, Canada, this 31st

day of October, 2002.

Witness:


Inventor:




Lorne Johanson

NOTARIAL CERTIFICATE

On this 31 day of October, 2002, before me, personally appeared Lorne Johanson, known to me to be the individual who executed the foregoing instrument, and who acknowledged to me that he executed the same of his own free will and for the purpose therein set forth.


Notary Public in and for the Province of Alberta.
My Commission is for life.

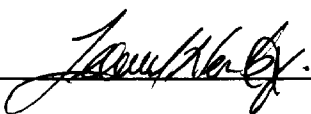
ANNE L. G. COTE
BARRISTER & SOLICITOR

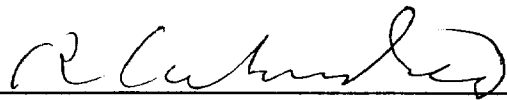
EXECUTED at Edmonton, Alberta, Canada, this 31st

day of October, 2002.

Witness:


Inventor:




Hongsang Rho

NOTARIAL CERTIFICATE

On this 31 day of October, 2002, before me, personally appeared Hongsang Rho, known to me to be the individual who executed the foregoing instrument, and who acknowledged to me that he executed the same of his own free will and for the purpose therein set forth.



Notary Public in and for the Province of
Alberta.

My Commission is for life.

ANNE L. G. COTE
BARRISTER & SOLICITOR