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To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Masashi HOSONUMA Osamu FUKUNAGA Miwako NARA Tetsuro TOJO Masaharu UNO Yoshinori NISHIKI Tsuneto FURUTA Tateki KUROSU

2. Name and address of receiving party(ies): PERMELEC ELECTRODE LTD. 2023-15, Endo, Fujisawa-shi, Kanagawa 252-0816 Japan



Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger Security Agreement Change of Name Other

Execution Date: April 8, 2004, April 8, 2004, April 8, 2004, April 8, 2004, April 8, 2004, April 8, 2004, April 8, 2004, April 8, 2004 and April 6, 2004

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s): 101823752

If this document is being filed together with a new application, the execution date of the application is: April 8, 2004, April 8, 2004, April 8, 2004, April 8, 2004, April 8, 2004, April 8, 2004, April 8, 2004 and April 6, 2004

A. Patent Application No.(s) NOT YET ASSIGNED

B. Patent No.(s) NOT YET ASSIGNED

Additional numbers attached? Yes No

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

SUGHRUE MION, PLLC WASHINGTON OFFICE 23373 CUSTOMER NUMBER

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00 Enclosed. Authorized to be charged to Deposit Account No. 19-4880. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

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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.

Mark Boland

Mark Boland

Reg. No. 32,197

April 14, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 2

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PATENT REEL: 015204 FRAME: 0658

ASSIGNMENT

Whereas, I/we,

Masashi HOSONUMA, Miwako NARA, Masaharu UNO, Yoshinori NISHIKI, Tsuneto FURUTA and Tateki KUROSU, all of Kanagawa, Japan;

Osamu FUKUNAGA of Chiba, Japan; and

Tetsuro TOJO of Osaka, Japan

hereinafter called assignor(s), have invented certain improvements in

DIAMOND ELECTRODE FOR ELECTROLYSIS

and executed an application for Letters Patent of the United States of America therefor on

April 8, 2004 and April 6, 2004 ; and

Whereas, PERMELEC ELECTRODE LTD. of 2023-15, Endo, Fujisawa-shi, Kanagawa 252-0816 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. § 119, and I/we request the Director - U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number _____, filed _____) the filing date and application number of said application when known.

Date: April 8, 2004 s/ Masashi Hosonuma

Date: April 8, 2004 s/ Miwako Nara

Date: April 8, 2004 s/ Masaharu Uno

Date: April 8, 2004 s/ Yoshinori Nishiki

Date: April 8, 2004 s/ Tsuneto Furuta

Date: April 8, 2004 s/ Tateki Kurosu

Date: April 8, 2004 s/ Osamu Fukunaga

Date: April 6, 2004 s/ Tetsuro Tojo

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)