

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Masayuki HIROTA</td> <td>12/22/2006</td> </tr> <tr> <td>Satoshi IBORI</td> <td>12/23/2006</td> </tr> <tr> <td>Tomoya KAMEZAWA</td> <td>12/22/2006</td> </tr> <tr> <td>Jiangming MAO</td> <td>12/22/2006</td> </tr> <tr> <td>Masahiro HIRAGA</td> <td>12/22/2006</td> </tr> </tbody> </table>		Name	Execution Date	Masayuki HIROTA	12/22/2006	Satoshi IBORI	12/23/2006	Tomoya KAMEZAWA	12/22/2006	Jiangming MAO	12/22/2006	Masahiro HIRAGA	12/22/2006
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Masahiro HIRAGA	12/22/2006												
RECEIVING PARTY DATA													
Name:	Hitachi Industrial Equipment Systems Co. Ltd.												
Street Address:	AKS Building, 3 Kanda Neribei-cho												
City:	Chiyoda-ku, Tokyo												
State/Country:	JAPAN												
PROPERTY NUMBERS Total: 1													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11642717</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11642717								
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Application Number:	11642717												
CORRESPONDENCE DATA													
Fax Number:	(703)312-6666												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	703-312-6600												
Email:	amathis@antonelli.com												
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Address Line 4:	Arlington, VIRGINIA 22209												
ATTORNEY DOCKET NUMBER:	500.46942X00												
NAME OF SUBMITTER:	Melvin Kraus												

OP \$40.00 11642717

Total Attachments: 2
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RECORDATION FORM COVER SHEET
PATENTS ONLY

Attorney Docket No. 500.46942X00

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Masayuki HIROTA
Satoshi IBORI, Tomoya KAMEZAWA, Jiangming MAO, Masahiro HIRAGA

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

2. Name and address of receiving party(ies)
Name: **HITACHI INDUSTRIAL EQUIPMENT SYSTEMS CO., LTD.**

Street Address: **AKS Building, 3, Kanda Neribei-cho Chiyoda-ku, Tokyo, Japan**

City: State: Zip:

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

3. Nature of conveyance/ Execution Date: **December 22, 2006, December 23, 2006, December 22, 2006, December 22, 2006, December 22, 2006.**

 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other .

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

A. Patent Application No.(s)
11/642,717

Additional number(s) attached Yes No

This document is being filed together with a new application.

B. Patent Registration No.(s)

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

Name: **ANTONELLI, TERRY, STOUT & KRAUS, LLP**

Internal Address:
1300 NORTH 17TH STREET – SUITE 1800

City: **ARLINGTON** State: **VA** Zip **22209**

Phone Number: (703) 312-6600
Facsimile Number: (703) 312-6666
Email Address: email@antonelli.com

6. Total number of applications and patents involved **1**

7. Total fee (37 CFR 3.41)..... **\$40.00**
 Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information:
a. Credit Card Last 4 numbers: 1032
Expiration date: 06/10
b. Deposit account number: 01-2135

Authorized User Name: Ronald J. Shore

DO NOT USE THIS SPACE

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.

Melvin Kraus, Reg#22,466

Name of Person Signing

/Melvin Kraus/

Signature

03/27/2007

Date

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

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, VA 22313-1450

ASSIGNMENT
(譲渡証)

W3522-01
(*)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi Industrial Equipment Systems Co., Ltd. a corporation organized under the laws of Japan, located at AKS Building, 3, Kanda Neribeicho, Chiyoda-ku, Tokyo, Japan receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi Industrial Equipment Systems Co., Ltd. its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

ELECTRIC POWER CONVERTER

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Hitachi Industrial Equipment Systems Co., Ltd. its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi Industrial Equipment Systems Co., Ltd.

Signed on the date(s) indicated aside our signatures:

INVENTOR(S)
(発明者フルネームサイン)

Date Signed
(署名日)

- | | | |
|-----|---|--------------------------|
| 1) | <u>Masayuki Hirota</u>
Masayuki HIROTA | <u>December 22, 2006</u> |
| 2) | <u>Satoshi Ibori</u>
Satoshi IBORI | <u>December 23, 2006</u> |
| 3) | <u>Tomoya Kamezawa</u>
Tomoya KAMEZAWA | <u>December 22, 2006</u> |
| 4) | <u>Jiangming Mao</u>
Jiangming MAO | <u>December 22, 2006</u> |
| 5) | <u>Masahiro Hiraga</u>
Masahiro HIRAGA | <u>December 22, 2006</u> |
| 6) | _____ | _____ |
| 7) | _____ | _____ |
| 8) | _____ | _____ |
| 9) | _____ | _____ |
| 10) | _____ | _____ |

PATENT