

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Osamu SUZUKI	09/13/2011
Yosuke YASUDA	09/19/2011
Keisuke HORIUCHI	10/01/2011
Tomoo HAYASHI	09/26/2011
Atsuo NISHIHARA	09/19/2011
Sunao FUNAKOSHI	09/19/2011
RECEIVING PARTY DATA	
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Street Address:	6-6, Marunouchi 1-chome
City:	Chiyoda-ku, Tokyo
State/Country:	JAPAN
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13213181
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NAME OF SUBMITTER:	Michael H. Jacobs
Total Attachments: 1 source=63813US_ASSIGN_1#page1.tif	

OP \$40.00 13213181

ASSIGNMENT

(譲 渡 証)

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, Ltd., a corporation organized under the laws of Japan, located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi, Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

COOLING SYSTEM FOR ONBOARD ELECTRICAL POWER CONVERTER, AND ELECTRICAL POWER CONVERTER FOR RAILWAY VEHICLE

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, 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, Ltd.

Signed on the date(s) indicated aside signatures:

	INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1)	Osamu SUZUKI <u>Osamu Suzuki</u>	<u>9/13/2011</u>
2)	Yosuke YASUDA <u>Yosuke Yasuda</u>	<u>9/19/2011</u>
3)	Keisuke HORIUCHI <u>Keisuke Horinchi</u>	<u>10/1/2011</u>
4)	Tomoo HAYASHI <u>Tomoo Hayashi</u>	<u>9/26/2011</u>
5)	Atsuo NISHIHARA <u>Atsuo Nishihara</u>	<u>9/19/2011</u>
6)	Sunao FUNAKOSHI <u>Sunao Funakoshi</u>	<u>9/19/2011</u>
7)	_____	_____
8)	_____	_____
9)	_____	_____

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