PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HIRONORI KOYANO	09/18/2013
TAKAMASA NAKAMURA	10/02/2013
MASAO SAITO	10/03/2013
KOUJI YAMAMOTO	10/07/2013
TSUTOMU MATSUKAWA	10/08/2013
MANABU KOSHIJO	09/18/2013
JUNICHI ITOH	09/25/2013
YOSHIYA OHNUMA	09/25/2013

RECEIVING PARTY DATA

Name:	NISSAN MOTOR CO., LTD.	
Street Address:	2, Takara-cho, Kanagawa-ku	
City:	Yokohama-shi, Kanagawa	
State/Country:	JAPAN	
Postal Code:	221-0023	

Name:	NAGAOKA UNIVERSITY OF TECHNOLOGY	
Street Address:	1603-1 KAMI-TOMIOKA-CHO	
City:	NAGAOKA-SHI, NIIGATA	
State/Country:	JAPAN	
Postal Code:	940-2188	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14122259	

CORRESPONDENCE DATA

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PATENT REEL: 031704 FRAME: 0830 OP \$40.00 1412;

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EFFIE HALE FOR GLENN LAW

Signature:

/Effie Hale/

Date:

12/03/2013

Total Attachments: 4

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PISNH-034USX 11-01859

U.S. Rights - Sole or Joint

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

name and address of assignee

NISSAN MOTOR CO., LTD. 2, Takara-cho, Kanagawa-ku, Yokohama-shi, Kanagawa 221-0023 Japan

Nagaoka University of Technology 1603-1 Kami-tomioka-cho, Nagaoka-shi, Niigata 940-2188 Japan

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

title of invention

POWER CONVERSION DEVICE

as set forth in his/her United States Patent Application

check one

()	executed concurrently herewith		
()	executed on	overhier mannet	
(X)	Serial No.PCT/JP2012/061655	Filed_	May 7, 2012

in and to said United States Patent Application including any and all divisions or continuations and Convention applications based in whole or in part on said invention or upon said application, including the right to make applications for Letters Patents throughout the world in respect to the invention and to claim priority under the International Convention for the Protection of Industrial Property, and in and to any and all Letters Patent of any country which may issue on any such application or for said invention, including any and all reissues, reexaminations, or extensions, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not be made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he/she has the full and

Each of the undersigned warrants and covenants that he/she has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he/she

unencumbered right to sell and assign the interests herein sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees that at any time upon request of said ASSIGNEE, its successors, legal representatives or assigns he/she will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him/her relating to said invention or patent application and that he/she will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues, reexaminations, or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of Foley & Lardner LLP the

Each of the undersigned hereby grants the firm of Foley & Lardner LLP the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation

of this Assignment.

names and signatures of inventors

Hironori Koyano date Sep 18, 2013 Jakamasa hakamura date Oct 2, 2013 Name: Hironori KOYANO Name: Takamasa NAKAMURA

Masao Saito date Oct 3, 2013 Name: Masao SAITO	Kouji YAMAMOTO date Oct 7,2013 Name: Kouji YAMAMOTO
Tswtomu Matsukawa date Oct 8, 2013 Name: Tsutomu MATSUKAWA	Marbu Koshijou date Sep 18,2013 Name: Manabu KOSHIJO
date	dateName: Yoshiya OHNUMA

P13N4-02448/11-01359 U.S. Rights - Sole or Joint

ASSIGNMENT

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name and address of assignee

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as set forth in his/her United States Patent Application

check one

inventors

())	executed concurrently herewith		
())	executed on		
(X)		Serial No.PCT/JP2012/061655	Filed	May 7, 2012

in and to said United States Patent Application including any and all divisions or continuations and Convention applications based in whole or in part on said invention or upon said application, including the right to make applications for Letters Patents throughout the world in respect to the invention and to claim priority under the International Convention for the Protection of Industrial Property, and in and to any and all Letters Patent of any country which may issue on any such application or for said invention, including any and all reissues, reexaminations, or extensions, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not be made;

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names and	date	date
signatures of	Name: Hironori KOYANO	Name: Takamasa NAKAMURA

date	date
Name: Masao SAITO	Name: Kouji YAMAMOTO
date	date
Name: Tsutomu MATSUKAWA	Name: Manabu KOSHIJO
Junichi Itah date 09/25/2013	Name: Voshiya OHNI IMA
XIamas Ismichi ITOU	Name: Voshiya OHNI IMA

PATENT REEL: 031704 FRAME: 0835

RECORDED: 12/03/2013