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PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| Takashi KUWAHARA | 09/25/2012 |
| Terumasa HIDAKA | 09/25/2012 |
| Norihiro TAKEMOTO | 09/25/2012 |

RECEIVING PARTY DATA

| Name: | NISSAN MOTOR CO., LTD. | | |
|-----------------|----------------------------|--|--|
| Street Address: | 2, Takara-cho, Kanagawa-ku | | |
| City: | Yokohama-shi, Kanagawa-ken | | |
| State/Country: | JAPAN | | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13698160 |

CORRESPONDENCE DATA

Fax Number: 2026725399

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 202-672-5300
Email: rfeimster@foley.com

Correspondent Name: GLENN LAW

Address Line 1: FOLEY & LARDNER LLP SUITE 500

Address Line 2: 3000 K STREET, N.W.

Address Line 4: Washington, DISTRICT OF COLUMBIA 20007-5143

ATTORNEY DOCKET NUMBER: 040302-0969

NAME OF SUBMITTER: Renell G. Feimster for Glenn Law

Total Attachments: 2

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PATENT

REEL: 029310 FRAME: 0652

ASSIGNMENT

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

NISSAN MOTOR CO. LTD

| name and address of assignee | | | OR CO., LTD. 0, Kanagawa-ku, Yokohama- | shi, Kanagawa- | ken, Japan | |
|------------------------------------|----------|-----------------------------|--|-----------------------|------------------------------|-------------------|
| (hereina invention relat | | SIGNEE) all r | ight, title and interest for the Unit | ed States, its territ | tories and possessions | in and to this |
| title of invention | DR | IVING FOR | RCE TRANSMISSION DEV | 'ICE | | |
| as set forth in t | this Uni | ted States Pater | nt Application | | | |
| check one | | executed con executed on | currently herewith | | | |
| | ☑ | Serial No. | PCT/JP2011/061654 13/698,160 | Filed N | May 20, 2011 November 15, | 2012 |
| | | | Application including any and all | | | |
| Letters Patent | of the l | Inited States w | high may iccue on any such annlie | eation or for said in | nvention including any | u and all reiccue |

Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, 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 been 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 has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he 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 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;

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Each of the undersigned hereby grants the firm of FOLEY & LARDNER 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 | | | | |
|-----------------------------------|---|------------------|--|--|
| Name: Takashi KUWAHARA | Signature: Takushi Kamuhura | Date: 9/25/2012 | | |
| Name: Terumasa HIDAKA | Signature: Takushi Kanuhuna Signature: Tesunasa Hidaka | Date: 9/25-/2012 | | |
| Name: Norihiro TAKEMOTO | Signature: northire Takesnoto | Date: 9/25/2012 | | |
| Name: | Signature: | Date: | | |
| Name: | Signature: | Date: | | |
| Name: | Signature: | Date: | | |
| Name: | Signature: | Date: | | |
| Name: | Signature: | Date: | | |
| NAMES AND SIGNATURES OF WITNESSES | | | | |
| Name: | Signature: | Date; | | |
| Name: | Signature: | Date: | | |

Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

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RECORDED: 11/16/2012

PATENT REEL: 029310 FRAME: 0654