

## PATENT ASSIGNMENT COVER SHEET

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<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHRISTOPHER D. SCHOCK	06/19/2014
PRAKASH B. SHAHI	07/02/2014
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<b>Postal Code:</b>	63136
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14302228
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<b>SIGNATURE:</b>	/Andrew G. Colombo/
<b>DATE SIGNED:</b>	07/02/2014
<b>Total Attachments: 5</b>	
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PATENT

## ASSIGNMENT

WHEREAS, We, **Christopher D. Schock** of O'Fallon, MO and **Prakash B. Shahi** of St. Louis, MO have invented certain new and useful improvements in a

### **SINGLE-SHUNT CURRENT SENSING FOR MULTI-PHASE MOTOR**

for which an application for Letters Patent of the United States has been filed, said application being identified as follows: Serial No. 14/302,228 filed June 11, 2014; and

WHEREAS, **Nidec Motor Corporation**, a corporation duly organized under the laws of the State of Delaware and having its principal place of business at 8050 West Florissant Ave., St. Louis, Missouri 63136, is desirous of acquiring all interests in, to and under said invention, said application and any and all Letters Patent which may be granted for or upon said invention in the United States of America and all countries foreign thereto.

NOW, THEREFORE, to all whom it may concern be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, **Christopher D. Schock and Prakash B. Shahi** as co-inventor(s), have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said **Nidec Motor Corporation** our full and exclusive right, title and interest, throughout the world, in, to and under the following:

- (a) said invention as fully set forth and described in said application;
- (b) said application;
- (c) any and all provisional applications from which said application claims priority;
- (d) any and all refilings, divisions, and continuations of said application;

(e) any and all Letters Patent of the United States of America which may issue from said application, refilings, divisions and continuations;

(f) any and all reissues of said Letters Patent of the United States of America;

(g) any and all applications for Letters Patent on said invention that have been, or may be, filed in any and all countries foreign to the United States of America, together with all rights to file and to claim priority in connection with said foreign-filed applications;

(h) any and all refilings, divisions and continuations of said foreign-filed applications;

(i) any and all Letters Patent of countries foreign to the United States of America which may issue from the said foreign-filed applications, refilings, divisions and continuations; and

(j) any and all extensions of, and additions to, said Letters Patent of countries foreign to the United States of America.

ALL of the above shall be solely held and enjoyed by said **Nidec Motor Corporation** for its own use and behoof, and for its successors, legal representatives and assigns, to the full end of the term for which said Letters Patent may be granted, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent in accordance with this Assignment.

Assignor(s) further agree to execute all paperwork and provide any other requested, non-monetary assistance in procuring, perfecting, enforcing, and/or defending Assignee's rights in the rights assigned herein.

Date: 6-19-14

Christopher D. Schock  
Christopher D. Schock

STATE OF Missouri )  
County of St. Louis ) ss.  
)

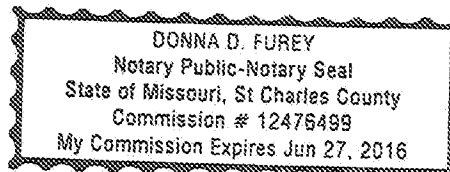
On this 19<sup>th</sup> day of June, 2014, before me personally appeared **Christopher D. Schock**, to me known to be the person described in and who executed the foregoing instrument, and who duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

My Commission expires:

Donna D. Furey  
Notary Public

June 27, 2016

[SEAL]



Date: 7/2/14

Prakash B. Shahi

Prakash B. Shahi

STATE OF Missouri )  
County of St Louis ) ss.  
)

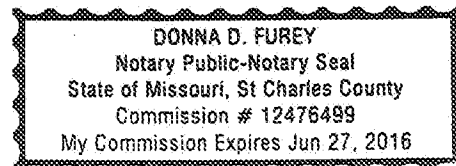
On this 2<sup>nd</sup> day of July, 2014, before me personally appeared **Prakash B. Shahi**, to me known to be the person described in and who executed the foregoing instrument, and who duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

My Commission expires:

Donna D. Furey  
Notary Public

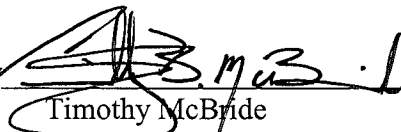
June 27, 2016.

[SEAL]



Nidec Motor Corporation hereby declares it accepts the rights and property hereby assigned and transferred to it.

Nidec Motor Corporation

By   
Timothy McBride  
Intellectual Property Counsel