

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yoshiyuki HAMANAKA</td> <td>04/18/2012</td> </tr> <tr> <td>Tsuneo MAEBARA</td> <td>04/18/2012</td> </tr> <tr> <td>Koichi SAKATA</td> <td>04/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yoshiyuki HAMANAKA	04/18/2012	Tsuneo MAEBARA	04/18/2012	Koichi SAKATA	04/19/2012		
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<table border="1"> <tr> <td>Name:</td> <td>TOYOTA JIDOSHA KABUSHIKI KAISHA</td> </tr> <tr> <td>Street Address:</td> <td>1, Toyota-cho</td> </tr> <tr> <td>City:</td> <td>Toyota-shi, Aichi-ken</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>471-8571</td> </tr> </table>		Name:	TOYOTA JIDOSHA KABUSHIKI KAISHA	Street Address:	1, Toyota-cho	City:	Toyota-shi, Aichi-ken	State/Country:	JAPAN	Postal Code:	471-8571
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CORRESPONDENCE DATA											
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OP \$40.00 13514077

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MNL-2635-1165

NAME OF SUBMITTER:

Michelle N. Lester

Total Attachments: 3

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# ASSIGNMENT OF PATENT APPLICATION

- (Inventors) 1) Yoshiyuki HAMANAKA  
 2) Tsuneo MAEBARA  
 3) Koichi SAKATA

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

- (Assignee) 1) DENSO CORPORATION, a corporation of Japan having a place of business at  
 (Address) 1-1 Showa-cho, Kariya-city, Aichi-pref. 448-8661 Japan

- (Assignee) 2) TOYOTA JIDOSHA KABUSHIKI KAISHA, a corporation of Japan having a place of  
 (Address) business at 1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571 Japan

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

- (Other Countries) in the invention, and all application for patent and any Letters Patent which may be granted therefor, known as  
 (Title) POWER CONVERTER

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed on April 18 and 19, 2012 or has already filed in U.S. appln. Serial No. , filed on

The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date April 18, 2012 Signature of inventor *Yoshiyuki Hamanaka*  
Yoshiyuki Hamanaka

Date April 18, 2012 Signature of inventor *Tsunee Maebara*  
Tsunee Maebara

Date \_\_\_\_\_ Signature of inventor \_\_\_\_\_

Date \_\_\_\_\_ Signature of inventor \_\_\_\_\_

Date \_\_\_\_\_ Signature of inventor \_\_\_\_\_

Date \_\_\_\_\_ Signature of inventor \_\_\_\_\_

Witnessed by: *Tetsuya Dewa* Date April 18, 2012

Witnessed by: *Tetsuya Dewa* Date April 18, 2012

Witnessed by: \_\_\_\_\_ Date \_\_\_\_\_

Witnessed by: \_\_\_\_\_ Date \_\_\_\_\_

Date April 19, 2012 Signature of inventor Koichi Sakata  
Koichi Sakata

Witnessed by: Yoshikazu Niimi Date April 19, 2012