

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5714111

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT												
NATURE OF CONVEYANCE:	Corrective Assignment to correct the TITLE TO ROTARY ELECTRIC MACHINE CONTROL DEVICE AND ELECTRIC POWER STEERING DEVICE USING SAME previously recorded on Reel 050015 Frame 0699. Assignor(s) hereby confirms the TITLE CHANGE.												
CONVEYING PARTY DATA													
	<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>SHUJI KURAMITSU</td> <td>06/24/2019</td> </tr> <tr> <td>HIDEKI KABUNE</td> <td>06/25/2019</td> </tr> <tr> <td>KOICHI NAKAMURA</td> <td>06/25/2019</td> </tr> <tr> <td>ATSUKO OKA</td> <td>07/05/2019</td> </tr> <tr> <td>MASAYA TAKI</td> <td>06/24/2019</td> </tr> </tbody> </table>	Name	Execution Date	SHUJI KURAMITSU	06/24/2019	HIDEKI KABUNE	06/25/2019	KOICHI NAKAMURA	06/25/2019	ATSUKO OKA	07/05/2019	MASAYA TAKI	06/24/2019
Name	Execution Date												
SHUJI KURAMITSU	06/24/2019												
HIDEKI KABUNE	06/25/2019												
KOICHI NAKAMURA	06/25/2019												
ATSUKO OKA	07/05/2019												
MASAYA TAKI	06/24/2019												
RECEIVING PARTY DATA													
Name:	DENSO CORPORATION												
Street Address:	1-1, SHOWA-CHO												
City:	KARIYA-CITY, AICHI-PREF.												
State/Country:	JAPAN												
Postal Code:	448-8661												
PROPERTY NUMBERS Total: 1													
	<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>16534101</td> </tr> </tbody> </table>	Property Type	Number	Application Number:	16534101								
Property Type	Number												
Application Number:	16534101												
CORRESPONDENCE DATA													
Fax Number:	(949)760-9502												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>													
Phone:	9497600404												
Email:	efiling@knobbe.com												
Correspondent Name:	KNOBBE, MARTENS, OLSON & BEAR LLP												
Address Line 1:	2040 MAIN STREET, 14TH FLOOR												
Address Line 4:	IRVINE, CALIFORNIA 92614												
ATTORNEY DOCKET NUMBER:	IPDEN.277C1												
NAME OF SUBMITTER:	ANDREW D. LEE												
SIGNATURE:	/Andrew D. Lee/												
DATE SIGNED:	09/11/2019												

Total Attachments: 7

source=Corrected Assignment - IPDEN.277C1#page1.tif

source=Corrected Assignment - IPDEN.277C1#page2.tif

source=Corrected Assignment - IPDEN.277C1#page3.tif

source=Corrected Assignment - IPDEN.277C1#page4.tif

source=Corrected Assignment - IPDEN.277C1#page5.tif

source=Corrected Assignment - IPDEN.277C1#page6.tif

source=Corrected Assignment - IPDEN.277C1#page7.tif

譲渡証
ASSIGNMENT

本件署名者は、十分な考慮及び理解の下、譲受人としての次の会社及びその相続人、譲渡先、その他の法的代理人に、米国及びその属地において、下記の発明に関する全権利並びに所有権を譲渡することに合意し、譲渡、売却、移譲します。
For good and valuable consideration, the receipt and sufficiency of which is hereby expressly acknowledged, the undersigned hereby agree(s) to assign, and hereby assign(s), sell(s) and transfer(s) to

譲受者名:
Assignee(s):

住所:
Address(es):

DENSO CORPORATION

**1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661
Japan**

as Assignee(s), and corresponding successors, assigns or other legal representatives, the entire right, title and interest, in the United States of America, and its territories, dependencies and possessions, to certain inventions known as

発明の名称: **ROTARY ELECTRIC MACHINE CONTROL DEVICE AND**
Title of **ELECTRIC POWER STEERING DEVICE USING SAME**
Invention:

上記発明についての米国登録特許証の出願は、
described in an application for Letters Patent of the United States executed

- 本譲渡証と同日、もしくは
on even date herewith
- 米国出願番号_____として_____に提出されたものです。
as U.S. Application Serial No. filed on

Serial No.: 16/534101 Filed On: August 07, 2019

また、本件署名者は、本件出願の継続出願や分割出願、更には、再発行特許の登録特許証に関しても同様に譲渡いたします。本件署名者は米国特許商標局長官が上記譲受人に登録特許証を発行することを許可、希望します。

本件署名者は、要求に応じて、すべての書面に署名すること、誓約すること、更に、本件発明の確保・維持・権利行使のために、また、譲受人の権利確保のために必要となるすべての手続を実行することに合意します。

本件署名者は、本件出願に関連して必要となった際に、上記譲受人が本件発明に関するすべての国際条約及び協定に基づく優先権を行使・要求することについて、それを許可し、その権限を上記譲受人に与えます。

本件署名者は、Knobbe, Martens, Olson & Bear, LLP に対して、この書面の登録に必要・適切となる追記をすることを許可します。

as well as any and all continuations, divisions, and reissues of said application and all Letters Patents that may be granted therefor. The undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent or Letters Patents to said Assignee(s).

The undersigned agree(s), when requested, to sign all papers, take all rightful oaths, and perform all acts which may be necessary for securing, maintaining and enforcing patents for said inventions and for vesting title thereto in said Assignee(s).

The undersigned authorize(s) and empower(s) said Assignee(s) to invoke and claim the benefit of the right of priority provided under any and all international conventions and treaties in respect of said inventions, as may be necessary in connection with said application.

The undersigned also authorize(s) Knobbe, Martens, Olson & Bear, LLP to insert hereon any further identification that may be necessary or desirable for recordation of this document.

発明者はここに付随する添付書面上にリストされます。
inventor(s) listed on the attached sheet which is incorporated herein by reference.

注記: 上記日本語抄訳は、本書面の理解の助けとして付記しております。正式な解釈は英文に基づき行われます。

Note: The above Japanese text is for the purpose of helping the understanding of the reader. The interpretation of the Assignment should be based on the English text.

譲渡証(続き)
ASSIGNMENT (Cont.)

署名: Signature: 第1発明者 First Inventor	: : <u>Shuji Kuramitsu</u> : Shuji KURAMITSU	署名日: Date:	: <u>June 24, 2019</u>
署名: Signature: 第2発明者 Second Inventor	: : <u>Hideki Kabune</u> : Hideki KABUNE	署名日: Date:	: <u>June 25, 2019</u>
署名: Signature: 第3発明者 Third Inventor	: : <u>Koichi Nakamura</u> : Koichi NAKAMURA	署名日: Date:	: <u>June 25, 2019</u>
署名: Signature: 第4発明者 Fourth Inventor	: : <u>Atsuko Oka</u> : Atsuko OKA	署名日: Date:	: <u>July 5, 2019</u>
署名: Signature: 第5発明者 Fifth Inventor	: : <u>Masaya Taki</u> : Masaya TAKI	署名日: Date:	: <u>June 27, 2019</u>

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>SHUJI KURAMITSU</td> <td>06/24/2019</td> </tr> <tr> <td>HIDEKI KABUNE</td> <td>06/25/2019</td> </tr> <tr> <td>KOICHI NAKAMURA</td> <td>06/25/2019</td> </tr> <tr> <td>ATSUKO OKA</td> <td>07/05/2019</td> </tr> <tr> <td>MASAYA TAKI</td> <td>06/24/2019</td> </tr> </tbody> </table>		Name	Execution Date	SHUJI KURAMITSU	06/24/2019	HIDEKI KABUNE	06/25/2019	KOICHI NAKAMURA	06/25/2019	ATSUKO OKA	07/05/2019	MASAYA TAKI	06/24/2019
Name	Execution Date												
SHUJI KURAMITSU	06/24/2019												
HIDEKI KABUNE	06/25/2019												
KOICHI NAKAMURA	06/25/2019												
ATSUKO OKA	07/05/2019												
MASAYA TAKI	06/24/2019												
RECEIVING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>DENSO CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>1-1, SHOWA-CHO</td> </tr> <tr> <td>Internal Address:</td> <td>KARIYA-CITY</td> </tr> <tr> <td>City:</td> <td>AICHI-PREF.</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>448-8661</td> </tr> </table>		Name:	DENSO CORPORATION	Street Address:	1-1, SHOWA-CHO	Internal Address:	KARIYA-CITY	City:	AICHI-PREF.	State/Country:	JAPAN	Postal Code:	448-8661
Name:	DENSO CORPORATION												
Street Address:	1-1, SHOWA-CHO												
Internal Address:	KARIYA-CITY												
City:	AICHI-PREF.												
State/Country:	JAPAN												
Postal Code:	448-8661												
PROPERTY NUMBERS Total: 1													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>16534101</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	16534101								
Property Type	Number												
Application Number:	16534101												
CORRESPONDENCE DATA													
<p>Fax Number: (949)760-9502 Phone: 9497600404 Email: efiling@knobbe.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: KNOBBE, MARTENS, OLSON & BEAR, LLP Address Line 1: 2040 MAIN STREET Address Line 2: 14TH FLOOR Address Line 4: IRVINE, CALIFORNIA 92614</p>													
ATTORNEY DOCKET NUMBER:	IPDEN.277C1												
NAME OF SUBMITTER:	ANDREW LEE												

PATENT

Signature:	/Andrew D. Lee/
Date:	08/09/2019
Total Attachments: 2 source=Executed Assignment - IPDEN.277C1#page1.tif source=Executed Assignment - IPDEN.277C1#page2.tif	
RECEIPT INFORMATION	
EPAS ID:	PAT5662261
Receipt Date:	08/09/2019

PATENT



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

AUGUST 12, 2019

PTAS

KNOBBE, MARTENS, OLSON & BEAR, LLP
2040 MAIN STREET
14TH FLOOR
IRVINE, CA 92614

505615459

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 08/09/2019

REEL/FRAME: 050015/0699
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: IPDEN.277C1

ASSIGNOR:

KURAMITSU, SHUJI

DOC DATE: 06/24/2019

ASSIGNOR:

KABUNE, HIDEKI

DOC DATE: 06/25/2019

ASSIGNOR:

NAKAMURA, KOICHI

DOC DATE: 06/25/2019

ASSIGNOR:

OKA, ATSUKO

DOC DATE: 07/05/2019

ASSIGNOR:

TAKI, MASAYA

DOC DATE: 06/24/2019

ASSIGNEE:

DENSO CORPORATION
1-1, SHOWA-CHO
KARIYA-CITY
AICHI-PREF., JAPAN 448-8661

APPLICATION NUMBER: 16534101

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: ROTATION ELECTRIC MACHINE CONTROL DEVICE AND ELECTRIC POWER
STEERING DEVICE USING SAME

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5662261

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SHUJI KURAMITSU	06/24/2019
HIDEKI KABUNE	06/25/2019
KOICHI NAKAMURA	06/25/2019
ATSUKO OKA	07/05/2019
MASAYA TAKI	06/24/2019
RECEIVING PARTY DATA	
Name:	DENSO CORPORATION
Street Address:	1-1, SHOWA-CHO
Internal Address:	KARIYA-CITY
City:	AICHI-PREF.
State/Country:	JAPAN
Postal Code:	448-8661
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16534101
CORRESPONDENCE DATA	
Fax Number:	(949)760-9502
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	9497600404
Email:	efiling@knobbe.com
Correspondent Name:	KNOBBE, MARTENS, OLSON & BEAR, LLP
Address Line 1:	2040 MAIN STREET
Address Line 2:	14TH FLOOR
Address Line 4:	IRVINE, CALIFORNIA 92614
ATTORNEY DOCKET NUMBER:	IPDEN.277C1
NAME OF SUBMITTER:	ANDREW LEE
SIGNATURE:	/Andrew D. Lee/
DATE SIGNED:	08/09/2019