505459608 05/03/2019 PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYA		NEW ASSIGNMENT	NEW ASSIGNMENT			
	NCE:	ASSIGNMENT	ASSIGNMENT			
CONVEYING PARTY D	ATA					
		Name	Execution Date			
HIROYUKI OSUGA			03/19/2019			
TAKAYUKI HIDAKA			03/15/2019			
ТАКАЅНІ МІУАМОТО			03/11/2019			
TOMOKAZU SAKASHI ⁻	ГA		03/08/2019			
SATOSHI OJIKA			03/07/2019			
RECEIVING PARTY DA	 \TA					
Name:	MITSU	BISHI ELECTRIC CORPORATION				
Street Address:	7-3, Ma	7-3, Marunouchi 2-chome, Chiyoda-ku				
City:	Tokyo	Токуо				
State/Country:	Japan	Japan				
Postal Code:	100-83	10				
	5 Total: 1					
Property Type		Number				
Application Number:		16347346				
CORRESPONDENCE [ΔΤΑ					
Fax Number:		(703)413-2220				
		o the e-mail address first; if that is unsuc	cessful it will be sent			
using a fax number, if	provide	d; if that is unsuccessful, it will be sent v (703) 413-3000				
<i>using a fax number, if</i> Phone:	provide	(703) 413-3000				
<i>using a fax number, if</i> Phone: Email:		(703) 413-3000 kashwell@oblon.com				
<i>using a fax number, if</i> Phone:		(703) 413-3000				
<i>using a fax number, if</i> Phone: Email: Correspondent Name:		(703) 413-3000 kashwell@oblon.com OBLON, ET AL.				
using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	- 	(703) 413-3000 kashwell@oblon.com OBLON, ET AL. 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314				
using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET N	UMBER:	(703) 413-3000 kashwell@oblon.com OBLON, ET AL. 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314				
<i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1:	UMBER:	(703) 413-3000 kashwell@oblon.com OBLON, ET AL. 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314 521954US				
using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER:	UMBER:	(703) 413-3000 kashwell@oblon.com OBLON, ET AL. 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314 521954US KIMBERLY ASHWELL				
using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER: SIGNATURE:	UMBER:	(703) 413-3000 kashwell@oblon.com OBLON, ET AL. 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314 521954US KIMBERLY ASHWELL /Kimberly Ashwell/				

source=521954USAssignment#page2.tif source=521954USAssignment#page3.tif 出願データシート(37 CFR 1.76)及び単独の譲受人への譲渡証を用いる実用特許出願又は意匠特許出願 に関する宣言書(37 CFR 1.63)

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

発明(Title Inver		POWER CONVERSION APPARATUS AND ELECTRIC PROPULSION SYSTEM	
		, 発明者として、私はここに以下の通り宣言します: ed inventor, I hereby declare that:	
	言は以下に関 declaration is	するものです: directed to:	
	添付の出願。 The attached	又は I application, or	
\boxtimes		号又はPCT国際出願番号 PCT/JP2016/087786 sapplication or PCT international application number	
		出願日 December 19, 2016	
		により、又は私の承認の下になされたものです。 ed application was made or authorized to be made by me.	
私は I beli	、私が当該出 eve that I am	I顧のクレーム発明に関する真の発明者又は真の共同発明者であるものと信じます。 the original inventor or an original joint inventor of a claimed invention in the application.	
		(以下、譲受人と呼ぶ)は、	に
事業所	所を有し、当	該発明、及び米国、米国の領有地、及び全ての外国においてその後付与され得る全ての	侍許に

関する全ての権利、権原、及び利益の取得を希望します。

WHEREAS, Mitsubishi Electric Corporation

(hereinafter referred to as "ASSIGNEE") having places of business at: <u>7-3</u>. Marunouchi 2-chome, Chiyoda-ku, <u>Tokyo 1008310 Japan</u>, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and its territorial possessions and in any and all foreign countries;

よって、合計5ドルの対価の受領をここに確認し、そしてその他の適当かつ価値ある対価の下、私はここに、米 国、米国の領有地、及び全ての外国における当該発明の完全かつ排他的な権利(当該出願から生じる、国際条約 及びその他の関連する国際条約又は協定にて規定する優先権を含む)、及び米国、米国の領有地、及び全ての外 国においてその後付与され得る全ての特許、及び当該特許の全ての分割、再発行、継続、差替及び更新に関する 全ての権利、権原、及び利益を、当該譲受人に売却、譲渡、及び移転します。

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

PATENT REEL: 049085 FRAME: 0153

私は、米国、米国の領有地、及び全ての外国における特許庁の職員に対し、当該特許が付与された際に、全ての当該特許を、私の全ての権利、権原、及び利益の譲受人として、当該譲受人、その相続人、及びその譲受人の使用及び利益の 目的のみにおいて、当該特許が付与され得る全ての期間において、当該譲渡及び売却がもし無ければ私が有するであろ うものと同程度に完全かつ全てに渡り、当該譲受人に対して発行することをここに許可し、かつ要求します。

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignce of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

さらに、私は、当該譲受人又はその代理人に、当該発明につき私が知っているいかなる事実をも伝え、いかなる法的手 続きにおいても証言し、全ての合法な書面に署名し、全ての分割出願、継続出願、差替出願、更新出願、及び再発行出 願を行い、全ての当該特許が当該譲受人に対して発行されるように全ての必要な譲渡書面を作成し、全ての合法な宣誓 書を作成し、及び、当該譲受人、その相続人、及びその譲受人を助け、米国、米国の領有地、及び全ての外国において 当該発明の適切な保護を図るために一般的に可能なこと全てを行うことに同意します。

Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

私は、本宣言書におけるいかなる故意による虚偽の陳述も、18 U.S.C. 1001に基づき罰金、又は5年以下の懲役、 又はそれらの双方により処罰され得ることをここに認めます。

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 C.F.R. § 1.69(b):

The DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS is an accurate translation of the corresponding English language DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS.

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Date: 6/10/2013

発明者の法律上の氏名 LEGAL NAME OF INVENTOR

発明者 Inventor:	Hiroyuki OSUGA		日付 Date:	March 1	9.2019
署名 Signature:	<u>Ringula</u>	<u>Osirga</u>			

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

出願データシートによる宣誓書 および譲渡用の補足用紙 SUPPLEMENTAL SHEET FOR DECLARATION USING AN APPLICATION DATA SHEET AND ASSIGNMENT	追加発明者 ADDITIONAL INVENTOR(S) 補足用紙 Supplemental Sheet
発明者の法律上の氏名 LEGAL NAME OF INVENTOR 発明者 Inventor: <u>Takayuki HIDAKA</u> 署名 Signature: <i>Šwhayuhi</i> 74id aha	日付 Date: <u>March 15. 2019</u>
発明者の法律上の氏名 LEGAL NAME OF INVENTOR 発明者 Inventor: <u>Takashi MIYAMOTO</u> 署名 Signature: <u>」」 んたいたい</u> かいみんかでた	日付 Date: <u>//akc/ 11.26/9</u>
発明者の法律上の氏名 LEGAL NAME OF INVENTOR 発明者 Inventor: Tomokazu SAKASHITA 署名 Signature: <u>Tomokazu SAKASHITA</u>	日付 Date: <u>Morch &. 2019</u>
発明者の法律上の氏名 LEGAL NAME OF INVENTOR 発明者 Inventor: <u>Satoshi OJIKA</u> 署名 Signature: <u>Satoshi OJ1kA</u>	H付 Date: <u>March 7,2019</u>

PATENT REEL: 049085 FRAME: 0155

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RECORDED: 05/03/2019

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