

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT2802646

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the EXECUTED DATE FOR 1ST, 2ND, 3RD, 4TH, AND 5TH ASSIGNOR. previously recorded on Reel 032521 Frame 0082. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
AKIMICHI HIROTA	03/24/2014
TETSU OWADA	03/24/2014
KAZUHIRO IYOMASA	03/24/2014
SHINSUKE WATANABE	03/24/2014
KAZUYA YAMAMOTO	03/24/2014
RECEIVING PARTY DATA	
Name:	mitsubishi electric corporation
Street Address:	7-3, MARUNOUCHI 2-CHOME, CHIYODA-KU,
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-8310
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14224829
CORRESPONDENCE DATA	
Fax Number:	(703)390-1277
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	7033909051
Email:	info@sbpatentlaw.com
Correspondent Name:	STUDEBAKER & BRACKETT PC
Address Line 1:	12700 SUNRISE VALLEY DRIVE
Address Line 2:	SUITE 102
Address Line 4:	RESTON, VIRGINIA 20191
ATTORNEY DOCKET NUMBER:	008500-000002
NAME OF SUBMITTER:	TIM L. BRACKETT, JR.
SIGNATURE:	/Tim L. Brackett, Jr./
DATE SIGNED:	04/07/2014

Total Attachments: 8

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**COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT OF APPLICATION
FOR UNITED STATES LETTERS PATENT**

米国特許用の宣言書（米国特許規則第1.63条）付き譲渡書

Title of Invention (発明の名称): "DIRECTIONAL COUPLER"	
私は、以下に記名された発明者として、ここに下記の通り宣言する：	As a below named inventor, I hereby declare that:
本宣言書付き譲渡書は、以下の出願に対するものである：	This combined declaration and assignment is directed to:
<input type="checkbox"/> 添付された出願、あるいは、 <input type="checkbox"/> 米国出願番号またはPCT国際出願番号は、 _____ であり、且つ _____ の日に出願された出願（該当する場合）	<input checked="" type="checkbox"/> The attached application, or <input type="checkbox"/> United States application or PCT international application number _____ filed on _____
上記出願書(明細書及び図面)は、私が作成したのか、あるいは私とその作成を許可したものである。	The above-identified application was made or authorized to be made by me.
私は、本米国出願の請求範囲で記載された発明に対する原発明者であるか、或いは、原共同発明者であると信じている。	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
私は、ここでの宣誓または陳述において故意に偽りを述べた場合、合衆国法典第18巻第1001条に基づき、罰金あるいは5年以下の懲役、または、両方の懲罰を受けることを認識している。	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.
下記に署名した者（以下、“譲渡人”）は、上記で特定される出願書類の中に記載されたいくつかの改良について発明を行ったものである。	WHEREAS the undersigned, also referred to hereinafter as the assignor, has invented a certain improvement relating to the above identified application.
_____ の _____ (譲受人) は、本出願および当該出願を基とした分割出願、継続出願に対するすべての権利、権原、および利益、ならびに当該出願および発明に対して得られる米国特許の取得を希望しているため、	AND WHEREAS <u>Mitsubishi Electric Corporation of 7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310 Japan</u> , hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor,

ここに、譲渡人は、譲受人への譲渡に関し、相当の対価を受けることを確認し、当該譲渡人は、本宣言書により当該譲受人、その後継者および継承人に対して、以下のすべてを売却、譲渡および移転します。すべての分割出願および継続出願を含めて、アメリカ合衆国で開示された本出願および本発明に対する権利、権原および利益、ならびに同出願および発明に対して交付された米国特許証およびすべての再発行（米国特許法第119条に基づく優先権主張の権利を含む）に対する全ての権利、権原および利益。

また米国特許商標局長官に対して、本出願で記述された発明に対して交付された特許証を当該譲受人、その後継者および継承人に対し発行するよう要請し、また追加の対価を受けることなく、譲受人の要求に応じて、米国出願に関連して譲受人が必要とみなすすべての書類に署名を行います。

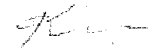
下記に署名したものは、この書類の記録に関し米国特許商標局の規則を遵守するために必要または望ましい場合には、STUDEBAKER & BRACKETT PC法律事務所の本宣言書付き譲渡書の譲渡書の部分に必要な事項を加える権限を許諾します。

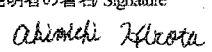
NOW, therefore, for good and valuable consideration from said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including any and all divisions and continuations thereof, and any and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 USC §119, said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue any Letters Patent granted upon the invention set forth in the application to the assignee, it's successors and assigns, said assignor will execute without further consideration all papers deemed necessary by the assignee, it's successors or assigns, in connection with the United States application when called upon to do so by the assignee.

The undersigned hereby grants the law firm of STUDEBAKER & BRACKETT PC the power to insert on the Assignment portion of this combined Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 CFR 1.69(b):

The Combined Declaration and Assignment of Application for United States Letters Patent is an accurate translation of the corresponding English language Combined Declaration and Assignment of Application for United States Letters Patent.

Signature: 
Date: 5/18/2013

発明者氏名/ Legal Name of Inventor Akimichi HIROTA	
発明者の署名/ Signature 	日付/ Date March 24, 2014

SUPPLEMENTAL SHEET FOR
DECLARATION AND ASSIGNMENT
宣言書ならびに譲渡証の補足シート

ADDITIONAL INVENTOR(S)
Supplemental Sheet Page 1 of 1
追加の発明者
補足シート / ページ

発明者氏名/ Legal Name of Inventor Tetsu OWADA	
発明者の署名/ Signature <i>Tetsu Owada</i>	日付/ Date March 24, 2014

発明者氏名/ Legal Name of Inventor Kazuhiro IYOMASA	
発明者の署名/ Signature <i>Kazuhiro Iyomasa</i>	日付/ Date March 24, 2014

発明者氏名/ Legal Name of Inventor Shinsuke WATANABE	
発明者の署名/ Signature <i>Shinsuke Watanabe</i>	日付/ Date March 24, 2014

発明者氏名/ Legal Name of Inventor Kazuya YAMAMOTO	
発明者の署名/ Signature <i>Kazuya Yamamoto</i>	日付/ Date March 24, 2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT2784406

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AKIMICHI HIROTA	03/25/2014
TETSU OWADA	03/25/2014
KAZUHIRO IYOMASA	03/25/2014
SHINSUKE WATANABE	03/25/2014
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Phone:	703 390 9051
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NAME OF SUBMITTER:	TIM L. BRACKETT, JR.
SIGNATURE:	/Tim L. Brackett, Jr./
DATE SIGNED:	03/25/2014
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 3	