

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5309825

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SHUJI HIRAI	11/15/2018
KAZUTAKA KAMIYA	11/16/2018
TOSHIHIKO KOSUGI	11/23/2018
SHIGEO SHIGEYAMA	12/04/2018
NOBUYUKI ISHIGURE	11/27/2018
YOSHIO CHIBA	11/14/2018
KUNIIHIKO IKEGAME	11/14/2018
HIDEKI MATSUMURA	11/14/2018
TADASHI USUYA	11/15/2018
RECEIVING PARTY DATA	
Name:	FURUKAWA ELECTRIC CO., LTD.
Street Address:	2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	1008322
Name:	FURUKAWA AUTOMOTIVE SYSTEMS INC.
Street Address:	1000, AMAGO, KOURA-CHO
City:	INUKAMI-GUN, SHIGA
State/Country:	JAPAN
Postal Code:	5220242
Name:	TOYOTA JIDOSHA KABUSHIKI KAISHA
Street Address:	1, TOYOTA-CHO
City:	TOYOTA-SHI, AICHI
State/Country:	JAPAN
Postal Code:	4718571
Name:	KABUSHIKI KAISHA TOKAI RIKI DENKI SEISAKUSHO
Street Address:	3-260, TOYOTA OGUCHI-CHO
City:	NIWA-GUN, AICHI
State/Country:	JAPAN
Postal Code:	4800195

PATENT

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16304492

CORRESPONDENCE DATA

Fax Number: (703)413-2220

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.

Phone: (703) 413-3000

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Correspondent Name: OBLON, ET AL.

Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	516109US
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NAME OF SUBMITTER:	DEJEN GEBREMICHAEL
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SIGNATURE:	/Dejen Gebremichael/
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DATE SIGNED:	01/04/2019
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	This document serves as an Oath/Declaration (37 CFR 1.63).
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Total Attachments: 9

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR MULTIPLE ASSIGNEES

Title of Invention	ROTARY CONNECTOR AND FIXING STRUCTURE OF ROTARY CONNECTOR
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As the below named inventor, I hereby declare that:

This declaration ☐ The attached application, or

is directed to: ☒ United States application or PCT international application number PCT/JP2017/017003
filed on April 28, 2017

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS, FURUKAWA ELECTRIC CO., LTD., FURUKAWA AUTOMOTIVE SYSTEMS INC., TOYOTA JIDOSHA KABUSHIKI KAISHA, and KABUSHIKI KAISHA TOKAI RIKAI DENKI SEISAKUSHO

(hereinafter referred to as "ASSIGNEES") having places of business at: 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 1008322, Japan, 1000, Amago, Koura-cho, Inukami-gun, Shiga 5220242, Japan, 1, Toyota-cho, Toyota-shi, Aichi 4718571, Japan, and 3-260, Toyota Oguchi-cho, Niwa-gun, Aichi 4800195, Japan, respectively are desirous of jointly acquiring interests in the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

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 ASSIGNEES, 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.

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 ASSIGNEES as the assignees of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their 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.

Further, I agree that I will communicate to said ASSIGNEES or their 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 ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their 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.

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.

LEGAL NAME OF INVENTOR

Inventor: Shuji HIRAI Date: Nov 15 2018

Signature: Shuji Hirai

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
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LEGAL NAME OF INVENTOR	
Inventor: <u>Kazutaka KAMIYA</u> Date: <u>Nov. 16, 2018</u>	
Signature: <u>Kazutaka Kamiya</u>	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
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LEGAL NAME OF INVENTOR	
Inventor: <u>Toshihiko KOSUGI</u>	Date: <u>November 23, 2017</u>
Signature: <u>Toshihiko KOSUGI</u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Shigeo SHIGEYAMA</u>	Date: <u>December 4, 2018</u>
Signature: <u>Shigeo SHIGEYAMA</u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Nobuyuki ISHIGURE</u>	Date: <u>Nov. 27, 2018</u>
Signature: <u>Nobuyuki Ishigure</u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Yoshio CHIBA</u>	Date: <u>Nov 14 2018</u>
Signature: <u>Yoshio Chiba</u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Kunihiko Ikegame</u>	Date: <u>Nov. 14 2018</u>
Signature: <u>Kunihiko Ikegame</u>	

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1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR MULTIPLE ASSIGNEES

Title of Invention	ROTARY CONNECTOR AND FIXING STRUCTURE OF ROTARY CONNECTOR
As the below named inventor, I hereby declare that: This declaration <input type="checkbox"/> The attached application, or is directed to: <input checked="" type="checkbox"/> United States application or PCT international application number <u>PCT/JP2017/017003</u> filed on <u>April 28, 2017</u> The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. WHEREAS, <u>FURUKAWA ELECTRIC CO., LTD., FURUKAWA AUTOMOTIVE SYSTEMS INC., TOYOTA JIDOSHA KABUSHIKI KAISHA, and KABUSHIKI KAISHA TOKAI RIKAI DENKI SEISAKUSHO</u> (hereinafter referred to as "ASSIGNEES") having places of business at: <u>2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 1008322, Japan, 1000, Amago, Koura-cho, Inukami-gun, Shiga 5220242, Japan, 1, Toyota-cho, Toyota-shi, Aichi 4718571, Japan, and 3-260, Toyota Oguchi-cho, Niwa-gun, Aichi 4800195, Japan</u> , respectively are desirous of jointly acquiring interests in the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries; 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 ASSIGNEES, 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. 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 ASSIGNEES as the assignees of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their 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. Further, I agree that I will communicate to said ASSIGNEES or their 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 ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their 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. 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.	
LEGAL NAME OF INVENTOR Inventor: <u>Hideki MATSUMURA</u> Date: <u>Nov 14 2018</u> Signature: <u>Hideki Matsumura</u>	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
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<p>As the below named inventor, I hereby declare that:</p> <p>This declaration <input type="checkbox"/> The attached application, or</p> <p>is directed to: <input checked="" type="checkbox"/> United States application or PCT international application number <u>PCT/JP2017/017003</u> filed on <u>April 28, 2017</u></p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>WHEREAS, FURUKAWA ELECTRIC CO., LTD., FURUKAWA AUTOMOTIVE SYSTEMS INC., TOYOTA JIDOSHA KABUSHIKI KAISHA, and KABUSHIKI KAISHA TOKAI RIKAI DENKI SEISAKUSHO</p> <p>(hereinafter referred to as "ASSIGNEES") having places of business at: <u>2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 1008322, Japan, 1000, Amago, Koura-cho, Inukami-gun, Shiga 5220242, Japan, 1, Toyota-cho, Toyota-shi, Aichi 4718571, Japan, and 3-260, Toyota Oguchi-cho, Niwa-gun, Aichi 4800195, Japan</u>, respectively are desirous of jointly acquiring interests in the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;</p> <p>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 ASSIGNEES, 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.</p> <p>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 ASSIGNEES as the assignees of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their 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.</p> <p>Further, I agree that I will communicate to said ASSIGNEES or their 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 ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their 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.</p> <p>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.</p>	
LEGAL NAME OF INVENTOR	
Inventor: <u>Tadashi USUYA</u>	Date: <u>Nov. 15, 2018</u>
Signature: <u>Tadashi Usuya</u>	

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