

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5899077

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	SHIN-KOBE ELECTRIC MACHINERY CO. LTD.	09/30/2014
RECEIVING PARTY DATA		
Name:	HITACHI AUTOMOTIVE SYSTEMS, LTD.	
Street Address:	2520, TAKABA, HITACHINAKA-SHI,	
City:	IBARAKI-KEN	
State/Country:	JAPAN	
Postal Code:	3128503	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	13023087
CORRESPONDENCE DATA		
Fax Number:	(703)739-2815	
<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>		
Email:	iprecordals@cpaglobal.com	
Correspondent Name:	CPA GLOBAL LIMITED	
Address Line 1:	LIBERATION HOUSE	
Address Line 2:	CASTLE STREET	
Address Line 4:	ST HELIER, JERSEY JEI IBL	
NAME OF SUBMITTER:	HEIDI WHITTINGHAM	
SIGNATURE:	/IPR/NW/NGB Hitachi/CP2019-109/AG1P/	
DATE SIGNED:	01/08/2020	
Total Attachments: 3		
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UNITED STATES OF AMERICA
ASSIGNMENT

WHEREAS, **Shin-Kobe Electric Machinery Co. Ltd.**, a Limited Company organized under the laws of **Japan**, with a place of business at **No. 8-7, 2-chome, Nihombashi-honcho, Chuo-ku, Tokyo 103-0023, Japan**,

AND **Hitachi, Ltd.**, a Limited Company organized under the laws of **Japan**, with a place of business at **6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan**,

AND **Hitachi Metals, Ltd.**, a Limited Company organized under the laws of **Japan**, with a place of business at **2-70 Konan 1-Chome, Minato-ku, Tokyo 108-8224 Japan**, co-own the United States Patent(s) (the "Patent(s)") listed on the attached Schedule A; and

WHEREAS, **Hitachi, Ltd.**, a Limited Company organized under the laws of **Japan**, with a place of business at **6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan**,

AND **Hitachi Metals, Ltd.**, a Limited Company organized under the laws of **Japan**, with a place of business at **2-70 Konan 1-Chome, Minato-ku, Tokyo 108-8224 Japan**,

AND **Hitachi Automotive Systems, Ltd.**, a Limited Company organized under the laws of **Japan**, with a place of business at **2520, Takaba, Hitachinaka-shi, Ibaraki-ken 3128503, Japan**, desire to acquire the rights to the Patent(s);

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other valuable consideration, the receipt of which ASSIGNOR acknowledges, ASSIGNOR has sold, assigned, transferred, and set over, and does, by this Assignment, sell, assign, transfer, and set over unto ASSIGNEE, all rights to the Patent(s), including reissues and extensions, to be held and enjoyed by ASSIGNEE, its successors, assigns, and legal representatives, for ASSIGNEE's own use and benefit and for the use and benefit of its successors, assigns, and legal representatives, to the end of the term(s) for which the Patent(s) has/have been granted or may be reissued or extended, as fully and entirely as the Patent(s) would have been held and enjoyed by ASSIGNOR had this assignment and sale not been made; together with all claims for profits and damages by reason of past infringement, with the right to sue for and collect the same for the use and benefit of ASSIGNEE, its successors, assigns, and legal representatives.

This Assignment is deemed to have become effective as from: **30 September 2014**

IN WITNESS WHEREOF, ASSIGNOR and ASSIGNEE have caused this Assignment to be executed by its duly authorized officer or representative on the date(s) indicated below.

Hitachi Chemical Company, Ltd. (formally Shin-Kobe Electric Machinery Co. Ltd.)

By: Tetsuya Maruyama
Name: **TETSUYA MARUYAMA**
Title: **General Manager, Intellectual Property Strategy Center**
Date: November 20th, 2014

Hitachi, Ltd.

By: Yuji Toda

Name: **Yuji TODA**

Title: **Corporate Officer, General Manager, Intellectual Property Division (Authorized Signing Officer)**

Date: *December 23, 2019*

Hitachi Metals, Ltd.

By: Akira Kawakami

Name: **AKIRA KAWAKAMI**

Title: **General Manager, Intellectual Property Dept. Technology, Research & Development Division**

Date: *December 27, 2019*

Hitachi Automotive Systems, Ltd.

By: Taro Kashima

Name: **Taro Kashima**

Title: **Department Manager, Intellectual Property Dept.**

Date:

Dec. 5, 2019

Schedule

Country	Application Number	IP Grant Number
U.S.A.	13023087	8097363