### 504448513 07/10/2017

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4495214

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
YUZO HIRAKAWA	12/03/2015
MICHIHIKO MATSUMOTO	12/03/2015
HIRONORI KOEDA	12/15/2015
TOMOKI KAMEYAMA	12/15/2015

#### **RECEIVING PARTY DATA**

Name:	NISHIKAWA RUBBER CO., LTD.
Street Address:	2-8, MISASA-MACHI 2-CHOME, NISHI-KU,
City:	HIROSHIMA-SHI, HIROSHIMA-KEN
State/Country:	JAPAN
Name:	AISIN SEIKI KABUSHIKI KAISHA
Street Address:	1, ASAHI-MACHI 2-CHOME
City:	KARIYA-SHI, AICHI-KEN
State/Country:	JAPAN
Postal Code:	448-8650

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14941875

#### CORRESPONDENCE DATA

**Fax Number:** (631)501-3526

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:** 6315015700

Email: docket@cdfslaw.com, kdugo@cdfslaw.com

Correspondent Name: CARTER, DELUCA, FARRELL & SCHMIDT, LLP

Address Line 1: 445 BROAD HOLLOW ROAD

Address Line 2: SUITE 420

Address Line 4: MELVILLE, NEW YORK 11747

**ATTORNEY DOCKET NUMBER:** 44457-40

NAME OF SUBMITTER: ROBERT P. MICHAL

SIGNATURE:	/Robert P. Michal/
DATE SIGNED:	07/10/2017
Total Attachments: 4	
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source=00847407#page4.tif	

TITLE OF	PROTECTOR WITH SENSOR	
INVENTION:		•
As the below named inventor, I hereby declare that:		
This declaration is directed to:		
☐ The attached application, or ☐ United States application or PCT international application number 14/941,875 filed on November 16, 2015.		
The above-identified application	n was made or authorized to be made by me.	
I believe that I am the original i	nventor or an original joint inventor of a claimed inve	ntion in the application.
I hereby acknowledge that any imprisonment of not more than	willful false statement made in this declaration is puni five (5) years, or both.	shable under 18 U.S. C. § 1001 by fine or
WHEREAS, I, the below-identified Inventor, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter "Invention");		
WHEREAS, NISHIKAWA RUBBER CO., LTD. having place of business at: 2-8, Misasa-machi 2-chome, Nishi-ku, Hiroshima-shi, Hiroshima-ken, Japan, and AISIN SEIKI KABUSHIKI KAISHA having place of business at: 1. Asahi-machi 2-chome, Kariya-shi, Aichi-ken, 448-8650 Japan, (hereinafter "Assignees") are 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 therefore in the United States or its territorial possessions and in any and all foreign countries;		
NOW, this indenture witnesseth, that in consideration of the sum of ONE DOLLAR (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration;		
I hereby assign, sell and transfer my above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention, and in and to any and all reissues and reexaminations thereof, which may be granted or have granted for said Invention, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignees;		
And I hereby authorize and request the Commissioner of Patents and Trademarks to issue any Untied States Letters Patent which my issue for said Invention to said Assignees, as assignees of the whole right, title and interest thereto;		
And I further agree to sign and execute all necessary and lawful further documents, including applications for foreign patents, for filing divisions, continuations, and continuations-in-part of said application for patent and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignees or its successors and designees may from time to time require and prepare at its own expense.		
The undersigned hereby grants the firm of CARTER, DELUCA, FARRELL & SCHMIDT, LLP, located at 445 Broad Hollow Road, Suite 420, Melville, New York 11747, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.		
LEGAL NAME Inv	entor: Yuzo HIRAKAWA  gnature: Yugo Unakawa	Date: December 3 2015

CARTER, DELUCA, FARRELL & SCHMIDT, LLP 445 BROAD HOLLOW ROAD, SUITE 420 MELVILLE, NEW YORK 11747

TITLE OF		
INVENTION:	PROTECTOR WITH SENSOR	
As the below named inventor	Thombu dodou that	
As the below hamed invento	r, I nereby declare that:	
This declaration is directed t	D:	
☐ The attached application, or ☐ United States application or PCT international application number 14/941,875 filed on November 16, 2015.		
The above-identified applica	tion was made or authorized to be made by me.	
I believe that I am the origin	al inventor or an original joint inventor of a claimed invention in the application.	
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.		
WHEREAS, I, the below identified above and describe	v-identified Inventor, have invented certain new and useful improvements in the Invention ed in the above-identified patent application(s) and/or patent(s) (hereinafter "Invention");	
WHEREAS, NISHIKAWA RUBBER CO., LTD. having place of business at: 2-8, Misasa-machi 2-chome, Nishi-ku, Hiroshima-shi, Hiroshima-ken, Japan, and AISIN SEIKI KABUSHIKI KAISHA having place of business at: 1, Asahi-machi 2-chome, Kariya-shi, Aichi-ken, 448-8650 Japan, (hereinafter "Assignees") are 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 therefore in the United States or its territorial possessions and in any and all foreign countries;		
NOW, this indenture witnesseth, that in consideration of the sum of ONE DOLLAR (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration;		
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And I hereby authorize and request the Commissioner of Patents and Trademarks to issue any Untied States Letters Patent which my issue for said Invention to said Assignees, as assignees of the whole right, title and interest thereto;		
And I further agree to sign and execute all necessary and lawful further documents, including applications for foreign patents, for filing divisions, continuations, and continuations-in-part of said application for patent and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignees or its successors and designees may from time to time require and prepare at its own expense.		
necessary or desirable in orde	ts the firm of CARTER, DELUCA, FARRELL & SCHMIDT, LLP, located at 445 Broad Hollow aw York 11747, the power to insert on this assignment any further identification which may be r to comply with the rules of the United States Patent Office for recordation of this document.	
	Inventor: Michihiko MATSUMOTO  Signature: Michihiko Matsumoto  Date: December 3, 2015	

CARTER, DELUCA, FARRELL & SCHMIDT, LLP 445 BROAD HOLLOW ROAD, SUITE 420 MELVILLE, NEW YORK 11747

TITLE OF	PROTECTOR WITH SENSOR	
<b>INVENTION:</b>		
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And I hereby authorize and request the Commissioner of Patents and Trademarks to issue any Untied States Letters Patent which my issue for said Invention to said Assignees, as assignees of the whole right, title and interest thereto;

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LEGAL NAME OF INVENTOR Inventor: Hironori KOEDA

Signature: Wironori Hoeda

Date: Dec. 15, 2015

CARTER, DELUCA, FARRELL & SCHMIDT, LLP 445 BROAD HOLLOW ROAD, SUITE 420 MELVILLE, NEW YORK 11747

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OF INVENTOR	ventor: Tomoki KAMEYAMA gnature: Lym	Date: Dec. 15,2015

CARTER, DELUCA, FARRELL & SCHMIDT, LLP
445 BROAD HOLLOW ROAD, SUITE 420
MELVILLE, NEW YORK 11747

PATENT REEL: 042946 FRAME: 0913

**RECORDED: 07/10/2017**