506213481 08/20/2020

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Yasuhiro YABUUCHI	06/26/2020

## **RECEIVING PARTY DATA**

Name:	Sumitomo Electric Industries, Ltd.	
Street Address:	5-33, Kitahama 4-chome, Chuo-ku	
City:	Osaka-shi, Osaka	
State/Country:	Japan	
Postal Code:	5410041	
Name:	Autonetworks Technologies, Ltd.	
Street Address:	1-14, Nishisuehiro-cho	
City:	Yokkaichi-shi, Mie	
State/Country:	7: Japan	
Postal Code:	<b>ostal Code:</b> 5108503	
Name:	Sumitomo Wiring Systems, Ltd.	
Street Address:	treet Address: 1-14, Nishisuehiro-cho	
City:	ty: Yokkaichi-shi, Mie	
State/Country:	te/Country: Japan	
Postal Code:	5108503	

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

Property Type	Number
Application Number:	16629982

#### **CORRESPONDENCE DATA**

**Fax Number:** (703)836-2787

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: 703-836-6400
Email: email@oliff.com
Correspondent Name: JOHN A. RADI
Address Line 1: OLIFF PLC

Address Line 2: P.O. BOX 320850

Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

506213481 REEL: 053553 FRAME: 0232

PATENT

ATTORNEY DOCKET NUMBER:	190056		
NAME OF SUBMITTER: NAHOME MEKONNEN			
SIGNATURE:	/Nahome Mekonnen/ for James Oliff		
DATE SIGNED:	08/20/2020		
	This document serves as an Oath/Declaration (37 CFR 1.63).		
Total Attachments: 2			
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PATENT REEL: 053553 FRAME: 0233

# ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

#### **ASSIGNMENT**

(Three Assignees)

(2) Hirofumi LIR AV AM A

Akihira OGAWA

	Iuser i	(1)	7 IKIIII O O O 7 I W 7 I	(2)	THIOLIUM OIGITTHAN		
(1-8)	Legal Name(s)	(3)	Takeshi HAGIHARA	(4)	Yasuhiro YABUUCHI		
	of Inventor(s)	(5)		(6)			
		(7)		(8)			
		the und	In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each the undersigned, the receipt and sufficiency of which are hereby acknowledged, each undersigned agrees assign, and hereby does assign, transfer and set over to				
(9 <b>A</b> )	Insert Name of Assignee	(9A)	SUMITOMO ELECTRIC INDUSTI	RIES, LT	D.		
(10A)	Incart Address of		5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 5410041, Japan				
(9 <b>B</b> )	Insert Name of Assignee	(9B)	AUTONETWORKS TECHNOLOG	GIES, LT	D.		
(10B)	Insert Address of Assignee	(10B)	1-14, Nishisuehiro-cho, Yokkaichi	-shi, Mie	5108503, Japan		
(9C)	Insert Name of Assignee	(9C)	SUMITOMO WIRING SYSTEMS,	LTD.			
(10C)	Insert Address of Assignee	(10C)	1-14, Nishisuehiro-cho, Yokkaichi-	shi, Mie	5108503, Japan		
		the entir invention continua	re right, title and interest for the United S on, and in all applications for patent inclu	tates of A ding any applicat	eirs, successors, assigns and legal representatives, America as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, tion(s), and all Letters Patent, extensions, reissues invention known as		
(11)	Insert Identification such as Title, Case Number, or Foreign	(11)	AUTHENTICATION CONTROL DEV AUTHENTICATION CONTROL PRO	ЛСЕ, AU OGRAM	JTIIENTICATION CONTROL METHOD, AND		
	Application Number	(Attorn	ey Docket No.	),	filed on even date herewith or as		
(12)	Alternative	(12) (	J.S. Application Number				
	Identification for						
	filed applications	filed					

- 1) Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning any application or patent for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.
- 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of OLIFF PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

#### (13) Declaration

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

PATENT REEL: 053553 FRAME: 0234 I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

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.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date		Inventor Signature		(SEAL)
		•	Akihiro OGAWA	
Date		Inventor Signature	Hirofumi URAYAMA	(SEAL)
Date		Inventor Signature	Takeshi HAGIHARA	(SEAL)
Date	26/6/2026	Inventor Signature	Yasuhiro YABUUCHI	(SEAL)
Date		Inventor Signature	· 	(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
neit <b>he</b> r,	This assignment should preferably be signen it should be signed before at least tw	ned before: (a) a Notary Pub o witnesses who also sign he	blic if within the U.S.A. (b) a U.S. Consulere:	if outside the U.S.A. In
Date	· · · · · · · · · · · · · · · · · · ·	Witness		
Date		Witness		