# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

# **CONVEYING PARTY DATA**

Name	Execution Date
Teruo HARA	10/22/2021
Hajime KAWASE	10/22/2021
Masaaki TABATA	10/22/2021
Hajime MATSUI	10/22/2021
Hiroshi KOBAYASHI	10/26/2021
Takeshi AMAKAWA	11/02/2021

# **RECEIVING PARTY DATA**

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City:	Yokkaichi-shi, Mie		
State/Country:	Japan		
Postal Code:	510-8503		
Name:	Sumitomo Wiring Systems, Ltd.		
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State/Country:	Japan		
Postal Code:	510-8503		
Name:	Sumitomo Electric Industries, Ltd.		
Name: Street Address:	Sumitomo Electric Industries, Ltd. 5-33, Kitahama 4-chome, Chuo-ku		
	·		
Street Address:	5-33, Kitahama 4-chome, Chuo-ku		
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**PROPERTY NUMBERS Total: 1** 

PATENT REEL: 058193 FRAME: 0424

506992342

Property Type	Number
Application Number:	17613608

#### **CORRESPONDENCE DATA**

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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NAME OF SUBMITTER:	ANGELA M. NOLAN
SIGNATURE:	/Angela M. Nolan/
DATE SIGNED:	11/23/2021

# **Total Attachments: 3**

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> PATENT REEL: 058193 FRAME: 0425

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

#### **ASSIGNMENT** (Four Assignees)

	Insert	(1)	Teruo HARA	(2)	Hajime KAWASE
(1-8)	Legal Name(s)	(3)	Masaaki TABATA	(4)	Hajime MATSUI
	of Inventor(s)	(5)	Hiroshi KOBAYASHI	(6)	Takeshi AMAKAWA
		(7)		(8)	
		the under		ch are l	r good and valuable consideration paid to each of nereby acknowledged, each undersigned agrees to
(9A)	Insert Name of First Assignee	(9A)	AUTONETWORKS TECHNOLOGIE	S, LTE	).
(10A)	Insert Address of First Assignee	(10A)	1-14, Nishisuehiro-cho, Yokkaichi-shi,	Mie 5	10- <b>8</b> 503, JAPAN
(9 <b>B</b> )	Insert Name of Second Assignee	(9B)	SUMITOMO WIRING SYSTEMS, LT	D.	
(10B)	Insert Address of Second Assignee	(10 <b>B</b> )	1-14, Nishisuehiro-cho, Yokkaichi-shi,	Mie 5	10-8503, JAPAN
(9C)	Insert Name of Third Assignee	(9C)	SUMITOMO ELECTRIC INDUSTRII	ES, LT	D.
(10C)	Insert Address of Third Assignee	(10C)	5-33, Kitahama 4-chome, Chuo-ku, Os	aka-shi	, Osaka 541-0041, JAPAN
(9D)	Insert Name of Fourth Assignee	(9D)	TOYOTA JIDOSHA KABUSHIKI KA	AISHA	
(10D)	Insert Address of Fourth Assignee	(10D)	1, Toyota-cho, Toyota-shi, Aichi-ken 4	71-857	, JAPAN
		the entire invention continua	right, title and interest for the United Stan, and in all applications for patent including	tes of Ang any	neirs, successors, assigns and legal representatives, America as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, ion(s), and all Letters Patent, extensions, reissues invention known as
(11)	Insert Identification such as Title, Case	(11)	TERMINAL AND TERMINAL WIRE A	SSEM	BLY
	Number, or Foreign				
	Application Number	(Attorne	y Docket No. <u>197241</u>	), file	d on even date herewith or as
(12)	Alternative	(12)	U.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 Assignees 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 Assignces 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 Assignees.

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 Assignees, as Assignees 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.

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	(Etober 12, 202)	Inventor Signature	Jeruo Hara Teruo HARA	(SEAL)
Date	October 22. 2021	Inventor Signature	Hajiml Hawasi-	(SEAL)
Date	October 22, 2021	Inventor Signature	Masaaki Tabata Masaaki TABATA	(SEAL)
Date	October 22, 2021	Inventor Signature	Hajime Matsui Hajime MATSUI	(SEAL)
Date		Inventor Signature	Hiroshi KOBAYASHI	(SEAL)
Date		Inventor Signature	Takeshi AMAKAWA	(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
neither,	This assignment should preferably be signed then it should be signed before at least two v		olic if within the U.S.A. (b) a U.S. Consul if out re:	side the U.S.A. I
Date		Witness _	· 	
Date		Witness		

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)
			Teruo HARA	
Date		Inventor Signature	Hajime KAWASE	_ (SEAL)
			najime KAWASE	
Date	•	Inventor Signature	Masaaki TABATA	_ (SEAL)
Date	)	Inventor Signature		(SEAL)
vate		tuventor Signature	Hajime MATSUI	_ (abnb)
	0		the A. W. al	~
Date	October 26, 2021	Inventor Signature	Hiroshi Kobayashi	(SEAL)
			Hiroshi KOBAYASHI	_ ` ′
	1/ / 1 / /		Takeshi Anakawa	
Date	November 2. 2021	Inventor Signature	lakeshi Amakana	(SEAL)
			Takeshi AMAKAWA	
				- !
Date	-	Inventor Signature		(SEAL)
		*		
Date		Inventor Signature		_ (SEAL)
	-			
	This assignment should preferably be signed	l before: (a) a Notary Put	plic if within the U.S.A. (b) a U.S. Consul if outside	he U.S.A.
either,	then it should be signed before at least two w			
			•	
Date		Witness		
Date		Witness		