506519361 02/23/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hiroki TAMARU	01/29/2021
Yuichi KIMOTO	01/29/2021
Yasushi ITANI	01/29/2021

RECEIVING PARTY DATA

Name:	AUTONETWORKS TECHNOLOGIES, LTD.		
Street Address:	1-14, NISHISUEHIRO-CHO		
City:	YOKKAICHI-SHI, MIE		
State/Country:	JAPAN		
Postal Code:	510-8503		
Name:	SUMITOMO WIRING SYSTEMS, LTD.		
Street Address:	1-14, NISHISUEHIRO-CHO		
City:	YOKKAICHI-SHI, MIE		
State/Country:	JAPAN		
Postal Code:	510-8503		
Name:	SUMITOMO ELECTRIC INDUSTRIES, LTD.		
Street Address:	5-33, KITAHAMA 4-CHOME		
Internal Address:	CHUO-KU		
City:	OSAKA-SHI, OSAKA		
State/Country:	JAPAN		
Postal Code:	541-0041		

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	17270699		

CORRESPONDENCE DATA

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PATENT 506519361 REEL: 055374 FRAME: 0093

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Address Line 2: P.O. BOX 320850

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ATTORNEY DOCKET NUMBER: 194090

NAME OF SUBMITTER: KIMBERLY SCOTT

SIGNATURE: /Kimberly C. Scott/ for John A. Radi

DATE SIGNED: 02/23/2021

Total Attachments: 2

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> PATENT REEL: 055374 FRAME: 0094

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)

	Insert	(1)	HITOKI TAMAKU	(2)	ruichi Kuvioto		
(1-8)	Legal Name(s)	(3)	Yasushi ITANI	(4)			
	of Inventor(s)	(5)		(6)			
		(7)		(8)			
		the under	eration of the sum of one dollar (signed, the receipt and sufficience and hereby does assign, transfer an	y of which are	er good and valuable consideration paid to each of hereby acknowledged, each undersigned agrees to		
(9A)	Insert Name of First Assignee	(9A)	AUTONETWORKS TECHNO	OLOGIES, LT	D		
(10A)	Insert Address of First Assignee	(10A)	1-14, Nishisuehiro-cho, Yokkaichi-shi, Mie 510-8503 Japan				
(9 B)	Insert Name of Second Assignee	(9B)	SUMITOMO WIRING SYSTEMS, LTD.				
(10 B)	Insert Address of Second Assignee	(10B)	1-14, Nishisuehiro-cho, Yokkaichi-shi, Mie 510-8503 Japan				
(9 C)	Insert Name of Third Assignee		SUMITOMO ELECTRIC INI	OUSTRIES, LT	TD.		
(10 C)	Insert Address of Third Assignee		5-33, Kitahama 4-chome, Chu	io-ku, Osaka-sh	ni, Osaka 541-0041 Japan		
		the entire invention continual	right, title and interest for the U, and in all applications for pater	nited States of at including any reissue applica	heirs, successors, assigns and legal representatives, America as defined in 35 U.S.C. §100, in the v and all provisional, non-provisional, divisional, tion(s), and all Letters Patent, extensions, reissues a invention known as		
such as Title,	Insert Identification such as Title, Case Number, or Foreign	(11)	Wire Harness				
	Application Number	(Attorne	y Docket No. 194090), filed on even date herewith or as		
(12)	Alternative	(12) U	S. Application Number17	7/270,699			
	Identification for filed applications	filed	February 23, 2021				

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 Assignees 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.

PATENT REEL: 055374 FRAME: 0095 In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	January 29, 2021	Inventor Signature	Hiroki Tamaru Hiroki TAMARU	(SEAL)
Date	January 29-202/	Inventor Signature	yuchi Kemoto	(SEAL)
Date	January 29, 2021	Inventor Signature	Jasushi Hami Yasushi ITANI	(SEAL)
Date	<u></u>	Inventor Signature	·	(SEAL)
Date	-	Inventor Signature		(SEAL)
Date		Inventor Signature		(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 wi		blic if within the U.S.A. (b) a U.S. Consul if outside ere:	e the U.S.A. If
Date	· .	Witness	<u></u>	
Date		Witness		