506651483 05/07/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Naoyuki OSHIUMI	04/05/2021
Takehiro HOSOKAWA	04/05/2021
Makoto MIZOGUCHI	03/26/2021

RECEIVING PARTY DATA

Name:	Autonetworks Technologies, Ltd.
Street Address:	1-14, Nishisuehiro-cho
City:	Yokkaichi-shi, Mie
State/Country:	Japan
Postal Code:	5108503
Name:	Sumitomo Wiring Systems, Ltd.
Street Address:	1-14, Nishisuehiro-cho
City:	Yokkaichi-shi, Mie
State/Country:	Japan
Postal Code:	5108503
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
Street Address: City:	5-33, Kitahama 4-chome, Chuo-ku Osaka-shi, Osaka
Street Address: City: State/Country:	5-33, Kitahama 4-chome, Chuo-ku Osaka-shi, Osaka Japan
Street Address: City: State/Country: Postal Code:	5-33, Kitahama 4-chome, Chuo-ku Osaka-shi, Osaka Japan 5410041
Street Address: City: State/Country: Postal Code: Name:	5-33, Kitahama 4-chome, Chuo-ku Osaka-shi, Osaka Japan 5410041 Kyushu University, National University Corporation
Street Address: City: State/Country: Postal Code: Name: Street Address:	5-33, Kitahama 4-chome, Chuo-ku Osaka-shi, Osaka Japan 5410041 Kyushu University, National University Corporation 744, Motooka, Nishi-ku

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17292188

CORRESPONDENCE DATA

PATENT REEL: 056171 FRAME: 0410

506651483

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: JESSE O. COLLIER

Address Line 1: OLIFF PLC

Address Line 2: P.O. BOX 320850

Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

ATTORNEY DOCKET NUMBER:	195315
NAME OF SUBMITTER:	KARLI M. COLLINS
SIGNATURE:	/Karli M. Collins/
DATE SIGNED:	05/07/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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> PATENT REEL: 056171 FRAME: 0411

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)	Naoyuki OSHIUMI	(2)	Takehiro HOSOKAWA		
(1-8)	Legal Name(s)	(3)	Makoto MIZOGUCHI	(4)			
	of Inventor(s)	(5)		(6)			
		(7)		(8)			
		the unde		ciency of which are h	r good and valuable consideration paid to each of lereby acknowledged, each undersigned agrees to		
(9A)	Insert Name of First Assignee	(9A)	AUTONETWORKS TEC	HNOLOGIES, LTD			
(10A)	Insert Address of First Assignee	(10A)	1-14, Nishisuehiro-cho, Yo	1-14, Nishisuehiro-cho, Yokkaichi-shi, Mie, 5108503, JAPAN			
(9B)	Insert Name of Second Assignee	(9B)	SUMITOMO WIRING SY	YSTEMS, LTD.			
(10B)	Insert Address of Second Assignee	(10B)	1-14, Nishisuehiro-cho, Yo	okkaichi-shi, Mie, 5	108503, JAPAN		
(9C)	Insert Name of Third Assignee	(9C)	SUMITOMO ELECTRIC	INDUSTRIES, LTI).		
(10C)	Insert Address of Third Assignee	(10C)	5-33, Kitahama 4-chome,	Chuo-ku, Osaka-shi	Osaka, 5410041, JAPAN		
(9D)	Insert Name of Fourth Assignee	(9D)	KYUSHU UNIVERSITY,	, NATIONAL UNIV	ERSITY CORPORATION		
(10D)	Insert Address of Fourth Assignee	(10D)	744, Motooka, Nishi-ku, F	łukuoka-shi, Fukuok	a, 8190395		
		the entir invention continua	e right, title and interest for the n, and in all applications for p	e United States of A atent including any and reissue applicati	eirs, successors, assigns and legal representatives, merica as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, on(s), and all Letters Patent, extensions, reissues invention known as		
(11)	Insert Identification such as Title, Case Number, or Foreign	(11)	SURFACE PROTECTION C	COMPOSITION AN	D TERMINAL FITTED ELECTRIC WIRE		
	Application Number	(Attorn	ey Docket No. 195315), file	d on even date herewith or as		
(12)	Alternative	(12)	U.S. Application Number	17/292,188	3		
	Identification for filed applications	filed	May 7, 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 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.

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	April 5. 2021	Inventor Signature	Nacyuld OSHIUMI Nacyuld OSHIUMI	(SEAL)
Date	April 5.2021	Inventor Signature	Takehiro Hosokawa Takehiro HOSOKAWA	(SEAL)
Date		Inventor Signature	Makoto MIZOGUCHI	(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature	·	(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature	·	(SEAL)
Date	·	Inventor Signature	<u>.</u>	(SEAL)
neither,	This assignment should preferably be signed then it should be signed before at least two wit		dic if within the U.S.A. (b) a U.S. Consul if outside the:	ne U.S.A. I
Date		Witness _		
Date		Witness		

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)	Naoyaki OSHIUMI		Takehiro HOSOKAWA
(3-8)	Legal Name(s)	(3)	Makoto MIZOGUCHI	(4)	
	of inventor(s)	(5)		(6)	
		(7)		(8)	
		the unit	feration of the sum of one dollo reigned, the receipt and sufficie nd hereby does assign, transfer	mey of which we	r good and valuable consideration paid to each of semby acknowledged, each undersigned agrees to
(9A)	Insert Name of First Assigner	(98)	AUTONETWORKS TECH	NOLOGIES, LTI	\$.
(10A)	Insert Address of First Assigner	(888)	1-14, Nishisuchiro-cho, Yo	(kaichi-shi, Mic. 5	108303, JAPAN
(98)	Insert Name of Socurd Assigner	(98)	SUMITOMO WIRING SY	STEMS, LTD.	
(108)	Insert Address of Second Assigner	(198)	1-14, Nishisuehiro cho, Yo	kkaichi-shi, Mic. !	(108503, JAPAN
(9C)	insert Name of Third Audgmee	(%C)	SUMITOMO ELECTRIC I	NDCSTRIES, LI	(4)
(380)	Insert Address of Third Assignce	(19C)	5-33, Kitahama 4-chome, C	hao-ka, Osaka-sh	i, Osaka, 5410081, JAPAN
(90)	Insert Same of Fourth Assignee	(90)	KYUSHU UNIYERSIYY.	NATIONAL UNI	VERSITY CORPORATION
(180)	Insert Address of Fourth Assignee	(100)	744, Morooka, Nishi-ku, Fi	skanska-shi, Pakuo	ka, 8190395
	Ť	the cati invention	is right, title and interest for the or and in all anotications for to	: United States of sent including sey nd misses applica	terirs, successors, assigns and legal representatives, America as defined in 35 U.S.C. §160, in the and all provisional, non-provisional, divisional, tion(s), and all Letters Patent, extensions, reissors investion known as
(11)	Insert Identification such as Title, Case Number, or Foreign	61)	SURFACE PROTECTION C	OMPOSITION A	NO TERMINAL FITTED ELECTRIC WIRE
	Application Number	(Anso	ey Docket No. 195315	3, 83	ed on even date herewith or as
(12)	Alternative	(32)	U.S. Application Number	17/292,18	38
	Identification for filed applications	filed	May 7, 2021		

1) Each undersigned agrees to execute all papers necessary in commercion 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 nonessary.

2) Each undersigned agrees to execute all papers recessary in connection with any interference or past-grain 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 Proaction 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 missian or regrammation 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 Assignoes, as Assignoes of the entire interest, and covenants that he or she has full right to convey the centre interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in coeffict 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 precisely or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

(3.3)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 inventors (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.

These excitored and understand the contents of the above-identified application, including the claims, and are 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 scheewledge that any willful false statement made in this declaration is panishable under 18 U.S.C. 1001 by fine or imprisonment of not nove than five (5) years, or both.

In witness whereaf, executed by the undersigned on the date(s) apposite the undersigned name(s).

Date	Inventor Signature	Swyuki OSHIUMI	(SEAL)
£Pate	laventor Signature	Takehiyo HOSOKAWA	(SEAL)
Date	Mar. 26, 2021 Inventor Signature	Jahor / Lyayavi	(SEAL)
Date	Inventor Signature		(SEAL)
Date	tareatur Signatare		(SEAL)
Date	teventer Signature		(SEAL)
Date	Inventor Signature		(SEAL)
Date	Inventor Signature		(SEAL)
neither,	This assignment should preferably be signed before: (a) a Notary F then it should be signed before at least two witnesses who also sign		eUSA.
Date	Witness		**************
Bate	Witness		