

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SHUNICHI SAWANO	05/10/2018
YUUKI SUGISAWA	05/10/2018
KOTA ODA	05/10/2018
NOBUHIKO YOSHIMI, MGR., I.P. MANAGEMENT SECTION, I.P. TECHNICAL DEPT., ON BEHALF OF KEISUKE MASE	05/16/2018
RECEIVING PARTY DATA	
Name:	AUTONETWORKS TECHNOLOGIES, LTD.
Street Address:	1-14 NISHISUEHIRO-CHO
City:	YOKKAICHI, MIE
State/Country:	JAPAN
Postal Code:	510-8503
Name:	SUMITOMO WIRING SYSTEMS, LTD.
Street Address:	1-14 NISHISUEHIRO-CHO
City:	YOKKAICHI, MIE
State/Country:	JAPAN
Postal Code:	510-8503
Name:	SUMITOMO ELECTRIC INDUSTRIES, LTD.
Street Address:	5-33 KITAHAMA 4-CHOME
Internal Address:	CHUO-KU, OSAKA-SHI
City:	OSAKA
State/Country:	JAPAN
Postal Code:	541-0041
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15776598
CORRESPONDENCE DATA	
Fax Number:	(248)647-5210
<i>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.</i>	

Phone: 248-647-6000
Email: Juli.Lawrence@dinsmore.com
Correspondent Name: DINSMORE & SHOHL LLP
Address Line 1: 900 WILSHIRE DRIVE
Address Line 2: SUITE 300
Address Line 4: TROY, MICHIGAN 48084

ATTORNEY DOCKET NUMBER:	50SWSJ31702PA
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NAME OF SUBMITTER:	KEVIN MACKENZIE
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SIGNATURE:	/Kevin MacKenzie/
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DATE SIGNED:	05/16/2018
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Total Attachments: 4

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ASSIGNMENT

WHEREAS, we, Shunichi Sawano, Yuuki Sugisawa, Kota Oda and Keisuke Mase (hereinafter referred to as Assignors), residing at 1-14 Nishisuehiro-cho, Yokkaichi, Mie, 510-8503, JAPAN; invented certain new and useful POWER SUPPLY CONTROL APPARATUS for which we executed an application for a United States Patent and for which said application for United States Patent was filed on May 16, 2018, under

☒ Patent Application Serial No. 15/776,598

☒ Attorney Docket No.: 50SWSJ31702PA;

WHEREAS, the *ASSIGNORS* hereby authorize(s) and request(s) the attorney(s) and/or agent(s) empowered to act on behalf of **AutoNetworks Technologies, Ltd., Sumitomo Wiring Systems, Ltd., and Sumitomo Electric Industries, Ltd.**, in the aforementioned application, to insert above the filing date and application number of said application, when known;

WHEREAS, **AutoNetworks Technologies, Ltd.**, a Limited Liability Company organized under and pursuant to the laws of Japan having its principal place of business at 1-14 Nishisuehiro-cho, Yokkaichi, Mie, 510-8503, JAPAN; **Sumitomo Wiring Systems, Ltd.**, a Limited Liability Company organized under and pursuant to the laws of Japan having its principal place of business at 1-14 Nishisuehiro-cho, Yokkaichi, Mie, 510-8503, JAPAN and **Sumitomo Electric Industries, Ltd.**, a Limited Liability Company organized under and pursuant to the laws of Japan having its principal place of business at 5-33 Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka, 541-0041 JAPAN, collectively hereinafter called the *ASSIGNEES*, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any Letters Patent that may issue thereon;

AND, WHEREAS, it is the intent of the *ASSIGNORS* to assign all rights to the above referenced application to the *ASSIGNEES*, including, but not limited to, all substantive rights in the above-referenced application as well as the right to claim priority, the right to be granted a patent in any and all countries and Regional Patent Offices, including, without limitation, the PCT Contracting States;

NOW, THEREFORE, for good and valuable consideration, receipt whereof is hereby acknowledged, *ASSIGNORS* hereby sell, assign and transfer unto said *ASSIGNEES*, its successors and assigns, the entire right, title and interest, including the right to claim priority in and to said application, the inventions therein disclosed, and any improvements thereon, and in any and all Letters Patent that may be granted therefor in the United States and its territorial possessions and in any and all countries and Regional Patent Offices, including, without limitation, the PCT Contracting States, and in and to any and all divisions, continuations, substitutions, renewals, re-examinations, extensions and reissues thereof;

ASSIGNORS hereby authorize and request the Patent Office Officials in the United States and its territorial possessions, and in any and all countries and Regional Patent Offices, including, without limitation, the PCT Contracting States, to issue, when granted, any Letters Patent thereon, and any and all divisions, continuations, substitutions, renewals, re-examinations, extensions and reissues thereof, to said *ASSIGNEES*, its successors and assigns, as the assignees of the entire right title and interest in and to the same, for the sole use and behalf of the *ASSIGNEES* and the *ASSIGNEES'* successors and assigns, to the full end of the term for which the Letters Patent may be

granted, including the term of any and all divisions, continuations, substitutions, renewals, re-examinations, extensions and reissues thereof, as fully and entirely as the same would have been held by the *ASSIGNORS* had this assignment not been made;

ASSIGNORS hereby authorize said *ASSIGNEES*, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the Letters Patent issued thereon, including any and all divisions, continuations, substitutions, renewals, re-examinations, extensions and reissues thereof; and

ASSIGNORS hereby agree that, upon request, *ASSIGNORS* will sign all papers, and make all rightful oaths, and do all acts which said *ASSIGNEES*, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States application or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any Letters Patent issued thereon, including any and all divisions, continuations, substitutions, renewals, re-examinations, extensions and reissues thereof.

ASSIGNORS:

Date: May 10, 2018 Signature: Shunichi Sawano
Shunichi Sawano

Date: May 10, 2018 Signature: Yuuki Sugisawa
Yuuki Sugisawa

Date: May 11, 2018 Signature: Kota Oda
Kota Oda

Date: _____ Signature: _____
Keisuke Mase

ASSIGNMENT

WHEREAS, I, Nobuhiko Yoshimi, Manger, IP Management Section, Intellectual Property Technical Department, on behalf of Keisuke Mase (hereinafter referred to as Assignor), residing at 1-14 Nishisuehiro-cho, Yokkaichi, Mie, 510-8503, JAPAN; invented certain new and useful **POWER SUPPLY CONTROL APPARATUS** for which I executed an application for a United States Patent and for which said application for United States Patent was filed on May 16, 2018 _____, under

☒ Patent Application Serial No. 15/776,598

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NOW, THEREFORE, for good and valuable consideration, receipt whereof is hereby acknowledged, *ASSIGNOR* hereby sells, assigns and transfers unto said *ASSIGNEES*, its successors and assigns, the entire right, title and interest, including the right to claim priority in and to said application, the inventions therein disclosed, and any improvements thereon, and in any and all Letters Patent that may be granted therefor in the United States and its territorial possessions and in any and all countries and Regional Patent Offices, including, without limitation, the PCT Contracting States, and in and to any and all divisions, continuations, substitutions, renewals, re-examinations, extensions and reissues thereof;

ASSIGNOR hereby authorizes and requests the Patent Office Officials in the United States and its territorial possessions, and in any and all countries and Regional Patent Offices, including, without limitation, the PCT Contracting States, to issue, when granted, any Letters Patent thereon, and any and all divisions, continuations, substitutions, renewals, re-examinations, extensions and reissues thereof, to said *ASSIGNEES*, its successors and assigns, as the assignee of the entire right title and interest in and to the same, for the sole use and behalf of the *ASSIGNEES* and the *ASSIGNEES'* successors and assigns, to the full end of the term for which the Letters Patent may be granted, including the term of any and all divisions, continuations, substitutions, renewals, re-examinations, extensions and reissues thereof, as fully and entirely as the same would have been held by the *ASSIGNOR* had this assignment not been made;

ASSIGNOR hereby authorizes said *ASSIGNEES*, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the Letters Patent issued thereon, including any and all divisions, continuations, substitutions, renewals, re-examinations, extensions and reissues thereof; and

ASSIGNOR hereby agrees that, upon request, *ASSIGNOR* will sign all papers, and make all rightful oaths, and do all acts which said *ASSIGNEES*, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States application or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any Letters Patent issued thereon, including any and all divisions, continuations, substitutions, renewals, re-examinations, extensions and reissues thereof.

ASSIGNOR:

Date: May 16, 2018

Signature: Nobuhiko Yoshimi
Nobuhiko Yoshimi, Manager, IP
Management Section, Intellectual Property
Technical Department, on behalf of Keisuke
Mase