

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Shunichi SAWANO	06/19/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Autonetworks Technologies, Ltd.
<b>Street Address:</b>	1-14 Nishisuehiro-cho
<b>City:</b>	Yokkaichi, Mie
<b>State/Country:</b>	Japan
<b>Postal Code:</b>	510-8503
<b>Name:</b>	Sumitomo Wiring Systems, Ltd.
<b>Street Address:</b>	1-14 Nishisuehiro-cho
<b>City:</b>	Yokkaichi, Mie
<b>State/Country:</b>	Japan
<b>Postal Code:</b>	510-8503
<b>Name:</b>	Sumitomo Electric Industries, Ltd.
<b>Street Address:</b>	5-33, Kitahama 4-chome, Chuo-ku
<b>City:</b>	Osaka-shi, Osaka
<b>State/Country:</b>	Japan
<b>Postal Code:</b>	241-0041
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14784151
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)836-2787
<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>	
<b>Phone:</b>	703-836-6400
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PATENT

<b>ATTORNEY DOCKET NUMBER:</b>	165432
<b>NAME OF SUBMITTER:</b>	ANGELA M. NOLAN
<b>SIGNATURE:</b>	/Angela M. Nolan/
<b>DATE SIGNED:</b>	10/13/2015
<b>Total Attachments: 1</b> source=10.13.15 165432 Assignment#page1.tif	

# **ASSIGNMENT (Three Assignees)**

	Insert	(1)	<u>Shunichi SAWANO</u>	(2)	_____
(1-8)	Legal Name(s)	(3)	_____	(4)	_____
	of Inventor(s)	(5)	_____	(6)	_____
		(7)	_____	(8)	_____

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9A)	Insert Name of First Assignee	(9A)	<u>AUTONETWORKS TECHNOLOGIES, LTD.</u>
(10A)	Insert Address of First Assignee	(10A)	<u>1-14 Nishisuehiro-cho, Yokkaichi, Mie 510-8503 Japan</u>
(9B)	Insert Name of Second Assignee	(9B)	<u>SUMITOMO WIRING SYSTEMS, LTD.</u>
(10B)	Insert Address of Second Assignee	(10B)	<u>1-14 Nishisuehiro-cho, Yokkaichi, Mie 510-8503 Japan</u>
(9C)	Insert Name of Third Assignee		<u>SUMITOMO ELECTRIC INDUSTRIES, LTD.</u>
(10C)	Insert Address of Third Assignee		<u>5-33 Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka, 541-0041 Japan</u>

(hereinafter designated as the Assignees) and Assignees' heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11)	Insert Identification such as Title, Case Number, or Foreign Application Number	(11)	<u>Fail-Safe Circuit</u>
		(Attorney Docket No. <u>165432</u> ), filed on even date herewith or as	

(12)	Alternative Identification for filed applications	(12)	U.S. Application Number <u>14/784,151</u>
		filed <u>October 13, 2015</u>	

- 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.

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

Date	<u>June 19, 2015</u>	Inventor Signature	<u>Shunichi Sawano</u>	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date	_____	Witness	_____
Date	_____	Witness	_____