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12/449542

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08-19-2009



	1035/1283	Attorney Docket No. 142518							
Please record the attached original document or copy thereof.									
1.	A. Name of conveying parties:	2. A. Name and address of receiving parties:							
	(1) Kiyoshi HASEGAWA (2) Sho MIYAZAKI (3) Fujio SONODA	(1) AUTONETWORKS TECHNOLOGIES, LTD. 1-14, NISHISUEHIRO-CHO YOKKAICHI-SHI, MIE 510-8503 JAPAN							
	B. Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No	(2) SUMITOMO WIRING SYSTEMS, LTD. 1-14, NISHISUEHIRO-CHO YOKKAICHI-SHI, MIE 510-8503							
3.	A. Nature of conveyance:	JAPAN							
	✓ Assignment ☐ Merger   ☐ Security Agreement ☐ Change of Name   ☐ Other	(3) SUMITOMO ELECTRIC INDUSTRIES, LTD. 5-33, KITAHAMA 4-CHOME, CHUO-KU OSAKA-SHI, OSAKA 541-0041 JAPAN							
	B. Execution Date: (1) July 26, 2009; (2) August 3, 2009; (3) July 17, 2009	B. Additional name(s) & address(es) attached?							
4.	Mark This document is being filed together with a new application	ation.							
	A. Patent Application No.(s)	B. Patent No.(s)							
	Additional numbers attached?   Yes  No								
	C. Title of Application: SHIELD SHELL								
5.	Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1							
	Name: James A. Oliff	7. A. Total fee (37 CFR 3.41)\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\							
	Address: OLIFF & BERRIDGE, PLC P.O. Box 320850 Alexandria, VA 22320-4850	Credit any overpayment or charge any underpayment to deposit account number 15-0461.							
9.	Statement and signature.  To the best of my knowledge and belief, the foregoing inform the original decupent.	08/18/2009 MJAMA1 00000040 12449542 tation is true and sprrecipied any attached copy is a true copy of							
	James A. Oliff Registration No. 27,075 Stephen P. Catlin Registration No. 36,101	Date: August 13, 2009  ncluding cover sheet, attachments, and document: 3							

12/449542 ASSIGNMENAP19 Rec'd PCT/PTO 13 AUG 2009

	•	(1)	Kiyoshi HASEGAWA	(3)	Fujio SONODA		
(1-4)	Insert Name(s) of Inventor(s)	(2)	Sho MIYAZAKI	(4)			
		each of	In consideration of the sum of the undersigned, each undersigned	of one dollar (\$1.0 1 agrees to assign	00) and other good and valuable consideral and hereby does assign, transfer and s	deration paid to set over to	
(9)	Insert Name of Assignee	(0)	ALITONIETWODKS TECHNO	LOGIES LTD			
(10)	Insert Address of	(9)	AUTONETWORKS TECHNOLOGIES, LTD.				
(9)	Assignee Insert Name of Assignee	(10) 1-14, Nishisuehiro-cho, Yokkaichi-shi, Mie 510-8503 Japan  (9) SUMITOMO WIRING SYSTEMS, LTD.					
(10)	Insert Address of	(9)			9503 Innan		
(9)	Assignee Insert Name of Assignee	(10)					
(10)	Insert Address of	(9) (10)			saka 541-0041 Japan		
	Assignee	• ,					
		entire in all intern	right, title and interest for the Unite applications for patent including an	ed States of Amer ny and all provision d reissue applicat	irs, successors, assigns and legal represica as defined in 35 U.S.C. §100, in thomal, non-provisional, divisional, contition(s), and all Letters Patent, extensionation known as	ne invention, and nuation,	
(11)	Insert	(11)	SHIELD SHELL				
	Identification such as Title, Case Number, or Foreign	( A 44 -	mey Docket No. 142518				
	Application Number	for w			tion for patent in the United States of A		
(12)	Insert Date of Signing of	(12	JULY 26,	2009			
	Application	on	0021 207	2005		· · · · · · · · · · · · · · · · · · ·	
(13)	Alternative Identification for filed applications	(13 file					
as the A applica every w provisio a grant the Uni entire is binding	tions for the invention, and any assignee may deem necessary.  2) Each undersigned agree tion or continuation or division vay possible in obtaining evider.  3) Each undersigned agree ons of the International Conver.  4) Each undersigned agree of a valid United States patent 5) Each undersigned authorated States resulting from said anterest herein assigned, and that con him and his heirs, successed.  6) Each undersigned herel mecessary or desirable in order.	patent(s s to exec in thereof, ince and g s to execution for l se to perfect to the Ar prizes and application at the has incorrect assign by grants or to comp	issuing thereon, and also to execu- ate all papers necessary in connecti- or any patent or reissue application oing forward with such interference ate all papers and documents and per- trotection of Industrial Property or form all affirmative acts which may signee.  I requests the Commissioner of the n(s) to the said Assignee, as Assign to the executed, and will not execute, as and legal representatives.	ion with any inter ion with any inter in based thereon, five. Derform any act we similar agreement be necessary to control. Patent and ince of the entire in any agreements in the power to the search and the power to the search and	btain, maintain or confirm by reissue of Frademark Office to issue any and all sterest, and covenants that he has full renconflict herewith, and agrees that this insert on this assignment any further indemark Office for recordation of this of the stereof the stereof that the stereof the stereof that the stereof	ntions and patents ming any the Assignee in with claims or or reexamination Letters Patents or right to convey th s assignment is dentification that	
Date	July 26, 20	009	Inventor Signature	Kiyo	SA, HASEGAWA	(SEAL)	
Date			Inventor Signature	Kiyoshi HA	ZAKI	(SEAL)	
Date	· · · · · · · · · · · · · · · · · · ·		Inventor Signature			(SEAL)	
Date			Inventor Signature	Fujio SONO	DDA	(SEAL)	
then it	This assignment should pre should be signed before at leas			c if within the U.S	S.A. (b) a U.S. Consul if outside the U.	.S.A. If neither.	
Date	<del></del>		Witness	·			
Date			Witness	s			

PATENT REEL: 023112 FRAME: 0408

## **ASSIGNMENT**

•		(1)	Kiyoshi HASEGAWA	(3)	Fujio SONODA	<del></del>		
(1-4)	Insert Name(s) of Inventor(s)	(2)	Sho MIYAZAKI	(4)				
		each o			00) and other good and valuable considerat , and hereby does assign, transfer and set or			
(9)	Insert Name of Assignee	(9)	AUTONETWORKS TECHNOLOGIES, LTD.					
(10)	Insert Address of Assignee	(10)						
(9)	Insert Name of Assignee	(9)						
(10)	Insert Address of Assignee Insert Name of Assignee Insert Address of Assignee	(10)	1-14, Nishisuehiro-cho, Yokkaich					
(9)		(9)	SUMITOMO ELECTRIC INDUSTRIES, LTD.					
(10)		(10)	5-33, Kitahama 4-chome, Chuo-ki	u, Osaka-shi, O	saka 541-0041 Japan			
		entire in all intern	right, title and interest for the United applications for patent including any	States of Amer and all provision reissue applicat	irs, successors, assigns and legal representatica as defined in 35 U.S.C. §100, in the invenal, non-provisional, divisional, continuation(s), and all Letters Patent, extensions, rention known as	vention, and		
(11)	Insert Identification	(11)	SHIELD SHELL					
	such as Title, Case Number, or Foreign	(Atto	orney Docket No. <u>142518</u>	<del></del>				
	Application Number	•	<b>\</b>		tion for patent in the United States of Amer			
			herewith or	- , 1	,			
(12)	Insert Date of Signing of	(12	)	er 7 ar:	7077GH 03 3000			
	Application	on	JULY I	/ and Au	GUST 03, 2009			
(13)	Alternative Identification for	(13	) U.S. application Serial Number	·				
	filed applications	file	d <u>August 13, 200</u>	9				
as the A applicat every w provisic a grant the Unit entire in binding	ions for the invention, and any ssignee may deem necessary.  2) Each undersigned agreement of the ion or continuation or division as possible in obtaining evident of Each undersigned agreems of the International Convent (a) Each undersigned agreement of a valid United States patent (b) Each undersigned authorized States resulting from said auterest herein assigned, and that on him and his heirs, successor (b) Each undersigned herebnecessary or desirable in order	patent(s s to exec thereof, ice and g s to exec tion for l s to perfet to the As rizes an pplicatio t s, assign y grants t o comp	issuing thereon, and also to execute ute all papers necessary in connection or any patent or reissue application beging forward with such interference, ute all papers and documents and per. Protection of Industrial Property or sirorm all affirmative acts which may be signee. It is a signee, as Assignee, as Assignee, as Assignee, as Assignee, and executed, and will not execute, and as and legal representatives. The firm of OLIFF & BERRIDGE, PLONY with the rules of the United States are undersigned on the date(s) opposite	separate assign with any inter- ased thereon, for form any act with milar agreement enecessary to of S. Patent and T of the entire in y agreements in C the power to in Patent and Trace	btain, maintain or confirm by reissue or ree Trademark Office to issue any and all Lette iterest, and covenants that he has full right to a conflict herewith, and agrees that this assi insert on this assignment any further identified demark Office for recordation of this docum	and patents any Assignee in claims or examination rs Patents of to convey the ignment is fication that ment.		
Date			Inventor Signature	Kiyoshi HA	SEGAWA	(SEAL)		
Date	AUGIST J. J	0	Inventor Signature	Sho MIYAZ	Mujergel 21	(SEAL)		
Date	July 1 1. 20	0 /	Inventor Signature	Fujio ONO	DA	(SEAL)		
Date			Inventor Signature		· · · · · · · · · · · · · · · · · · ·	(SEAL)		
then it	This assignment should pref should be signed before at least		nesses who also sign here:		A. (b) a U.S. Consul if outside the U.S.A.			
Date			Witness		<del></del>			
Date			Witness		·····			

PATENT REEL: 023112 FRAME: 0409

RECORDED: 08/13/2009