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ļ Ale	exand	ria, VA 22313-1450			Attorney Docket No.	144004		
Ple	așe re	cord the attached original doct	ument or copy thereof.			'		
Tol	Total number of pages including cover sheet, attachments, and document: 5							
1.	A.	Name of conveying party: Ako TAKASHIMA		2. A. Name and address of receiving parties:				
	В.	Additional name(s) of conve	ying party(ies) attached? ☐ Yes 🏻 No		AUTONETWORK TECHNOLOG 1-14, NISHI-SUE	IES, LTD.		
3.	A.	Nature of conveyance:			YOKKAICHI-SH JAPAN	I, MIE 5108503		
		Assignment Security Agreement Other Record to correct Assignment document previously tember 29, 2009, recl 023730.	recorded on		SUMITOMO WIR SYSTEMS, LT 1-14, NISHI-SUE YOKKAICHI-SHI JAPAN	D. HIRO-CHO		
	В.	Execution Date: <u>Decembe</u>			SUMITOMO ELE INDUSTRIES, 5-33, KITAHAMA CHUO-KU, OSAI OSAKA 5410041 onal name(s) & address(e	LTI). A 4-CHOME KA-SHI, JAPAN s) attached?		
		77. (2. 17. (2. 17. 17. 17.	452 202	B. Patent		<u>⊠</u> №		
4.	Α.	Patent Application No. 12/	<u>432,392</u>					
	Additional numbers attached? 🔲 Yes 🗵 No							
	C. Title of Application: <u>IN-VEHICLE COMMUNICATION SYSTEM</u>							
5.		ne and address of party to who cerning document should be m		6. Total number	er of applications and pate	ents involved: 1		
	Nε	ame: <u>James A. Oliff</u>			ge Deposit Account No. 1			
	Ac	dress: OLIFF & BERRIDGE P.O. Box 3208 Alexandria, VA Phone Number: 703-8 Fax Number: 703-83	50 22320-4850 36-6400		overpayment or charge any ount number 15-0461.	y underpayment to		
9.	To.	tement and signature. the best of my knowledge and original documen	belief, MeYaregoing inform					
Ļ	Jus Jus	ies A. Oliff Registration No. 2 tin T. Lingara Registration No.	7.075 . 61,276		Date: <u>January 12, 2016</u>	<u> </u>		

PATENT REEL: 023769 FRAME: 0658 12/452392-12/29/C9 A/D 581.40

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1. A. Name of conveying party:		2. A. Name	and address of receiving	g parties:				
Ako TAKASHIMA B. Additional name(s) of conveyin	g party(ies) attached? □ Yes ⊠ No	1-14	AUTONETWOR TECHNOLOG , NISHI-SUEHII KKAICHI-SHI, M AN	GIES, LTD. RO-CHO,				
		1-1- YO	SUMITOMO WI SYSTEMS, L 1, NISHI-SUEHI KKAICHI-SHI, N	TD, RO-CHO,				
		5.3: CH	SUMITOMO EL INDUSTRIES 3, KITAHAMA 4 UO-KU, OSAKA 0041 JAPAN	S, INC. I-CHOME,				
3. A. Nature of conveyance:		B. Addit	ional name(s) & address TYe	i(es) attached? :s ⊠ No				
⊠ Assignment □	Merger		_	_				
🔲 Security Agreement 🗌	Change of Name							
Other								
B. Execution Date: <u>December 1</u>	0, 2009							
4. 🖄 This document is being filed to	gether with a new applica	ation.						
A. Patent Application No.(s)	_	B. Paten	l No.(s)	 _				
	Additional numbers atta							
C. Title of Application: <u>IN-VEH</u>	IICLE COMMUNICA	ATION SYSTE)	<u>. </u>					
Name and address of party to whom concerning document should be mail		6. Total numb	er of applications and p	atents involved: 1				
Name: <u>James A. Oliff</u>			fee (37 CPR 3.41) 2731/2009 NJAMA1 ***********************************					
Address: Oliff & Berridge, p P.O. Box 320850 Alexandria, VA 22320-		8. Credit any	port (1884; No. 22533) overpayment or charge sount number 15-0461					
9. Statement and Singature. To the best of my imposing and best the original document. James A. Oliff Registration No. Justin T. Lingard Registration	lief, the foregoing inform		Date: <u>December 29,</u>	<u>2009</u>				

PATENT REEL: 023769 FRAME: 0659

i			ASSIGNMENT			
1		(1) TAKASHIM	IA, Ako	(5)	<u>-</u>	
1	K					
(1-8)	Insert Namc(s) of Inventor(s)	(3)				
	01 1HVEBIOF(\$)	(4)		(8)		
		(ideration of the sum of undersigned, each under	one dollar (\$1.00)	and other good and	valuable consideration
(9)	Insert Name of Assignee	(9) [2] Sumi	Networks Technologies tome Wiring Systems, l tomo Electric <u>Ind</u> ustric	Ltd. e I.td	-	<u></u>
(10)	Insert Address of Assignee	7 A A A A A A A A A A A A A A A A A A A	Nishi-Suchiro-cho, Yo Nishi-Suchiro-cho, Yo Kitahama 4-chome, C)	kkaichi-Shi Milō.	2106203 288811	an
		the entire right, title invention, and in all continuation, intern extensions, reissues	ted as the Assignce) and and interest for the Unit applications for patent attional, confirmation, su and reexamination certi	ed States of Americally and and betitute and reissu ficates that may be	all provisional, non-p all provisional, non-p e application(s), and :	rovisional, divisional, all Letters Patent,
(11)	Insert	(11) <u>IN-VEHIO</u>	<u>ÇLE COMMUNICATI</u>	on system_	<u> </u>	
	Identification such as Title, Case					
1	Number, or Forcign Application Number	(Attorney Docket I	No. 144004			
,	Application Ivaluaci		rsigned has (have) exec			
(12)	Insert Date of				•	
ζ	Signing of	(12) on	ecember 10,	2009		
1	Application	<u></u>	·			
(13)	Alternative	(13) U.S. ap Number	plication Serial		<u></u>	
1	Identification for filed applications	filed Dece	mber 29, 2009			
applicany applic	1) Each undersigned age applications for the invent sations and patents as the As 2) Each undersigned application or continuation of signed in every way possible 3) Each undersigned age or provisions of the Internation a grant of a valid US) Each undersigned a to of the United States resulting to convey the entire integrees that this assignment is 6) Each undersigned historian that may be necessed attion of this document.	ion, and any patent(s) is signee may deem neces grees to execute all paper division thereof, or any e in obtaining evidence grees to execute all paper and a convention for largees to perform all affiliated States patent to the ing from said applications therein assigned, and binding on him and him eachy greats the firm of	ssuing thereon, and also sary. Lets necessary in connect y patent or reissue appliation and going forward with the sand documents and Protection of Industrial remative acts which may the Assignee. The Commissioner of the con(s) to the said Assigned that he has not exceed the said that he Response assigned that the Response assigned the Response assigned that the Response assigned the Respon	tion with any inter- cation based them is such interference perform any act w Property or similar be necessary to come CU.S. Patent and co., as Assignee of ted, and will not eggs and legal repricted, the power to i	receassignments in occupance assignments in occupance, for the invention of the interest, a execute, any agreement on this assignment on this assignment of the containers.	e declared concerning a, and to cooperate with ry in connection with onfirm by reissue or issue any and all Letter and covenants that he ha tes in conflict herewith
	In witness whereof, cr	cuted by the undersig	ned on the date(s) opp	osite the undersi	gned name(s).	
Date	December		Inventor Signature _	ako	Jakaski (TAKASH)	(SEAL) MA, Ako)
. Date		,	Inventor Signature _			(SEAL)
Date	<u>-</u>	 :	Inventor Signature			(SEAL)
If nei	This assignment should ither, then it should be signs	preferably be signed be d before at least two wi	efore: (a) a Notary Publi imesses who also sign h	ic if within the U.		al if outside the U.S.A.
Date			Witness		<u> </u>	
			Witness			

PATENT REEL: 023769 FRAME: 0660