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Total number of pages including cover sheet, attachments, and document: 2									
1.	A. B.	Name of conveying parties: (1) Kazuhiro SHIRAKAWA (2) Hiroshi TAKI (3) Yoichi SHOJI Additional name(s) of conveying party(ies) attached?  ☐ Yes ☒ No	2.	Α.	Name and address of receiving party:  DENSO CORPORATION 1-1 SHOWA-CHO, KARIYA-CITY, AICHI-PREF. 443 8661 JAPAN	ATION			
3.	A.	Nature of conveyance:  Assignment		В.	Additional	name(s) & addre	ess(es) attached? Yes 🖾 No		
4.	Α.	Patent Application No. 13/239,961  Additional numbers attack	ned?	В.	Patent No.	(s)			
	C. Title of Application: BAND ELIMINATION FILTER PROVIDING ATTENUATION WITHIN WIDE RANGE OF FREQUENCIES								
5.	Cone	ne and address of party to whom correspondence cerning document should be mailed:  Ime: James A. Oliff  Idress: OLIFF & BERRIDGE, PLC P.O. Box 320850  Alexandria, VA 22320-4850 Phone Number: 703-836-6400 Fax Number: 703-836-2787	6. 7. 8.	P to Crea	Please char otal fee (37 dit any over	ge Deposit Ac 7 CFR 3.41) in t	count No. 15-0461 the the amount of \$40.00.  The any underpayment to 1.		
9.	To i	tement and signature. the best of my knowledge and belief, the foregoing information in the foregoing in	n is t	rue ar		nd any attached o	copy is a true copy of the		

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		(1)	Kazuhiro SHIRAKAWA	(5)						
(1-8		(2)			- Ramana and a same a same and a					
	Name(s) of Inventor(s)	(3)								
		(4)								
		In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to								
(9)	Insert Name of Assignee									
(10)		(10)	1-1 Showa-cho, Kariya-city	Aichi_nref 448_8661 Id	2000					
		(herein the enti- invention division	after designated as the Assign ire right, title and interest for on, and in all applications for	nce) and Assignee's heirs, state United States of Amo patent including any and and reissue application(s	successors, assigns and legal represe erica as defined in 35 U.S.C. §100 d all provisional, non-provisional, ), and all Letters Patent extension	0, in the				
(11)	Insert Identification	(11)	BAND FI IMNATION ET	FED DEOVEDING ATT	ENUATION WITHIN WIDE RA					
	such as Title, Case Number, or Foreign Application Number	-	FREQUENCIES							
		•								
		on even	for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or							
(12)	Insert Date of Signing of	.(12)								
	Application	on	October 7,	2011	***************************************					
(12)	7-	(4.0)								
(13)	Alternative	(13) Number	U.S. application Serial	13/239,961						
	Identification for filed applications	filed	September 22, 2011							
any ap the As claims reexam Patenti full rig and ag identif	applications for the invention and patents as the Assig 2) Each undersigned agree oplication or continuation or dissignee in every way possible in 3) Each undersigned agree or provisions of the Internation 4) Each undersigned agree nination a grant of a valid Units 5) Each undersigned authors of the United States resulting that to convey the entire interest rees that this assignment is bin 6) Each undersigned herebication that may be necessary cation of this document.	, and any passes may design the may design them obtaining as to execute all Convers to perform a Convers and from said therein assign on his y grants the desirable	patent(s) issuing thereon, and the mecessary. The all papers necessary in concept, or any patent or reissue a evidence and going forward the all papers and documents a strion for Protection of Industry and affirmative acts which is attent to the Assignee. The equests the Commissioner of application(s) to the said Assigned, and that he has not exem and his heirs, successors, a firm of OLIFF & BERRIDGI in order to comply with the interest and the said comply with the said complex compl	also to execute separate nection with any interfer pplication based thereon with such interference. In the perform any act which is also property or similar against the U.S. Patent and Tracignee, as Assignee of the couted, and will not executed, and will not executed, and legal represents. PLC the power to insertules of the United States	in, maintain or confirm by reissue and all demark Office to issue any and all tentire interest, and covenants that ute, any agreements in conflict he statives.  It on this assignment any further to the patent and Trademark Office for the statives.	erning ate with a with e or l Letters at he has crewith,				
	In witness whereof, execute	d by the i	indersigned on the date(s) o	pposite the undersigned	i name(s).					
Date	000000 7 . 20	· (	Inventor Signature	Kazuhiro Shirakawa	hirahawa (SE	EAL)				
Date	October 7. 201 October 7. 201		Inventor Signature	Hiroshi Taki	(SE	EAL)				
Date	October 7, 201	<u>/</u>	Inventor Signature	Yoichi Shoji	(SE	EAL)				
Date			Inventor Signature		(SE	EAL)				
If neith	or, then it should be signed ber	ore at least	iwo wilnesses who also sign	pere.	(b) a U.S. Consul if outside the U.	.S.A.				
Date	October 17, 2	011	Witness _	Akira Z	akamoto					
Date	Potoben 7. 2	911	Witness _	Akira 2 Eisuke J	akahashi					

**PATENT** 

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