	01-21-20	103	Docket N	o.: OKI.446		
FORM PTO-1595 (Modified) (Rev. 03-01) OMB No. 0651-0027 (exp.5/31/2002) P08A/REV03		IN SIEIR RIN IRRI	HEET	U.S. DEPARTMEN Patent and	T OF COMMERC d Trademark Offic	
Tab settings → → → ▼	10234284	46	▼	▼	▼	
To the Honorable Commission	er of Patents <i>j</i> and Trademarks				copy thereof.	
 Name of conveying party(ies): Yoshikazu YOSHIDA Akira YOSHIDA 	1/12/03		and address of rece		595 100 100 100 100 100 100 100 100 100 10	
	. (Addres	ss: 7-12, Toranomo	on 1-chome, Minato-	ku : 2	
Additional names(s) of conveying party	(ies) Yes 🔀 No				10/	
3. Nature of conveyance:						
🛛 Assignment	☐ Merger					
☐ Security Agreement	☐ Change of Name	City: 1	okyo	State/Prov	/.:	
☐ Other		Countr	y: Japan	ZIP:		
Execution Date: December 23, 2002 & January 6, 2003			name(s) & address(es)	☐ Yes	⊠ No	
 Application number(s) or pater If this document is being filed to Patent Application No. 			tion date of the appl 3. Patent No.(s)	lication is: Dec. 23	3, 2002 Jan 6,0	
NEW 01/14/2003 SDIRETAL 00000030 1034059 02 FC:8021	60.00 OP		Yes 🏿 No	10/3405	95	
5. Name and address of party to whom correspondence concerning document should be mailed:			6. Total number of applications and patents involved:			
Name: ADAM C. VOLENTIN	NE	- 7 Total f	ee (37 CFR 3 41)	\$ 40.00	··· · · · · · · · · · · · · · · · · ·	
Registration No. 33,289 Address: VOLENTINE FRANCOS, P.L.L.C.			7. Total fee (37 CFR 3.41):\$ 40.00 ■ Enclosed - Any excess or insufficiency should be credited or debited to deposit account			
12200 SUNRISE VALLEY DRIVE, SUITE 150			☐ Authorized to be charged to deposit account			
12200 DUINEDE 17EDEL DIELE, DOLLE 100		8. Depos	Deposit account number:			
City: RESTON	State/Prov.: VA	50-023	38			
Country: U.S.A.	· · · · · · · · · · · · · · · · · · ·		(Attach duplicate copy of this page if paying by deposit account)			
Courtiny.		T USE THIS SF				
9. Statement and signature. To the best of my knowledge of the original document.						
ADAM C. VOLENTINE		11/		January 13, 2	003	
Name of Person Sign	ing Total number of pages includir	Signat		3 Date		
	Mail documents to be recorded v					

Commissioner of Patents & Trademarks, Box Assignments

Attorney Reference							
ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT							
WHEREAS Yoshikazu YOSHIDA							
hereinafter referred to collectively as the assignor, has invented a certain improvement							
relating toFILTER ČIRCUIT							
[X] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office; [] said application having been filed in the United States Patent and Trademark Office on, authorization being hereby given to my attorneys, Raymond C. Jones and Adam C. Volentine of VOLENTINE FRANCOS, PLLC, , 12200 Sunrise Vally Drive Suite 150, Reston, Virginia 20191, to insert here in parentheses (Application Serial No) the application serial number of said application when known; [] said application having been filed under the Patent Cooperation Treaty on, the United States of America being designated.							
AND WHEREAS Oki Electric Industry Co., Ltd.							
of 7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan							
hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assigner, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assigner might or could have held and enjoyed the same, if this assignment had not been made. AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof. AND said assignor authorizes and requ							

WITNESS:

ASSIGNOR:

EXECUTED, December 93, 2002

Signature: Mayu Joshida Signature: Joshika ya Joshida Name: Yoshikazu YOSHIDA

VOLENTINE FRANCOS, PLLC

	Attorney Reference					
ASSIGNMENT C	F APPLICATION F	OR UNITED S	TATES LETT	ERS PATENT		
WHEREAS	Akira YOSHI	DA				
hereinafter referred to collective	ly as the assignor, h	as invented a c	ertain improv	/ement		
relating to	FILTER CIRCU	IT				
[X] the inventor(s) declaration	for said application	n being execut	ed concurrer	ntly with the exe	cution of this	
instrument; said application to b					outlott of this	
said application having beer						
	horization being her					
Adam C. Volentine of VOLE	ENTINE FRANCOS	PLLC, , 12200	Sunrise Va	ally Drive Suite	150, Reston,	
Virginia 20191, to insert here			! No) the	
application serial number of said			a Tractica			
[] said application having beel Serial No.)	the life	erii Cooperatioi	America bein	n designated	,	
Senarivo. /	, the Oi	med oldies of 7	amenea bem	g designated.		
AND WHEREAS Oki Elec	tric Industry Co., Ltd	d				
of 7-12,	Toranomon 1-chom	<u>ne, Minato-ku, 1</u>	<u>okyo, Japan</u>	1		
hereinafter referred to as the said application, including any	assignee, is desirou	is of acquiring	the entire rig	int, title and inter	rest in and to	
any and all patents which n	and all divisions and	arefor includi	inereor, and	i allu 10 Salu III ii i I alewana Ila	reiceuse and	
prolongations thereof;	lay be granted th	ererer, moradii	ig any ana	an renewale,	cioodeo and	
NOW THIS WITNESSETH	I, that for and in co	onsideration of	One Dollar	(\$1.00), and oth	ner good and	
valuable consideration paid by	said assignee to sai	d assignor, the	receipt of w	hich is hereby a	cknowledged,	
said assignor hereby assigns,	sells and transfers	to said assign	nee, and said	d assignee's su	ccessors and	
assigns, the full and exclusive r	ight, title and interes	t in and to said	application,	including any an	d all divisions	
and continuations thereof, and i	n and to said inventi	on and any and	d all patents v	which may be gra	anted therefor,	
including any and all renewals successors and assigns, to have	s, reissues and pro	olongations the	reor; said as	ssignee, and sa including any an	d assignee's	
and continuations thereof, and	the said invention	and any and a	i application, Il natents wh	nich may be ara	nted therefor	
including any and all renewals,	reissues and prolor	gations thereof	with all the	rights, powers,	privileges and	
advantages in anywise arising	from or appertaining	thereto, for a	nd during the	e term or terms	of any and all	
such patents when granted, inc	cluding any and all i	renewals, reiss	ues and prol-	ongations thered	of, for the use	
and benefit of said assignee,	and said assignee's	successors a	nd assigns,	in as ample and	d beneficial a	
manner as the said assignor mi	ght or could have he	eld and enjoyed	the same, it	this assignment	had not been	
made.	Lisa na mana na mana mana mana mana mana m		munat of oald	lancianna ar an	id accionacia	
AND said assignor here successors or assigns, any and	by agrees to perform	m, upon tne re the obtaining o	quest of salo	rting of said nate	and assignees	
any and all renewals, reissues a	and prolongations th	ereof.	to the asse	ring or said parc	inis, molading	
AND said assignor auth	orizes and requests	the Commissi	oner of Pate	ents and Tradem	arks to issue	
Letters Patent on said application	on, and on any and a	all divisions and	continuation	is thereof,		
to said assignee, and said assig	gnee's successors a	nd assigns, in a	iccordance h	erewith.		
	~~	£ 30	C a			
EXECUTED, _	January	<u> </u>	0.2	 •		
	,					
WITNESS:		ASSIGNOR:				
Signature: <u>Macya</u>	Timura.	Signature:	akina	Joshida		
Signature	attisated			kira YOSHIDA		
		iname:	<u></u>	INIIA I OSFIIDA		

VOLENTINE FRANCOS, PLLC

RECORDED: 01/13/2003

PATENT REEL: 013665 FRAME: 0093