11-22-2005 It - 22-2005 It - 22-2005 It - 22-2005		11 0-		Docket No.:	OKI.705	
To the Director of the United States Patent and Trademark Officer Pressore		11-22-	2005	ET	U.S. DEPARTMENT	T OF COMMERC
Tab setting: + 10/31/23606 To the United States Patent and Trademerk Offices Presser	OMB No. 0651-0027 (exp.5/31/2002)				Patent and	1 Trademark Offic
1. Name of conveying party(ies): 2. Name and address of receiving party(ies): 3. Bature of conveying party(ies): 2. Name and address of receiving party(ies): Additional names(a) of conveying party(ies): Yes IS No Additional names(a) of conveying party(ies): Yes IS No Additional names(a) of conveying party(ies): Yes IS No Address: 7-12, Toranomon 1-chome, GOD Minato-ku, City: Security Agreement Change of Name Other Country: Execution Date: September 21, 2005 Additional name(a) & address(en) Yes IS No 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: September 21, 2005 Patent Application No. Filing date B. Patent No.(s) September 21, 2005 VEL/2005 BYRE Motional numbers I Yes IS No 40,00 S. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41): S 40,00 Name: Andrew J. Telex, Jr. Total fee (37 CFR 3.41): S 40,00 Enclosed - Any excess or insufficiency should be credited or debited to deposit account 11951 Freedom Drive, Sui	Tab settings	103100		•	•	▼
1. Name of conveying partylies): 2. Name and address of receiving partylies): 3. Nature of conveying partylies) Yes X No Additional names(a) of conveying partylies) Yes X No Additional names(a) of conveying partylies) Yes X No Minate-kn, City: Telxy Security Agreement Change of Name Other Country: Japan Other Country: Japan ZIP: Additional name(s) & address(es) Yes <x no<="" td=""> Yes<x no<="" td=""> 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: September 21, 2005 Patent Application No. Filing date B. Patent No.(s) NEW November 15, 2005 B. Patent No.(s) V12/2005 BNWE Ox000178 50823 1127339 Filing date Registration No. 31,581 Additional numbers S. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 Name: Andrew J. Telex, Jr. 7. Total fee (37 CFR 3.41): \$ 40.09 Registration No. 33,581 Address: Volentine Frances & Whitht, P.L.L.C. 3 11</x></x>	To the Director of the United States Pa	atent and Trademark Offi	606 ce: Please	the attached origina	al documents or co	bpy thereof.
Additional names(s) of conveying party(les) Yes IN No Additional names(s) of conveying party(les) Yes IN No 3. Nature of conveyance: Imate-ka, Imate-ka, Imate-ka,						
Additional names(s) of conveying partylies) Yes I No Additional names(s) of conveying partylies) Yes I No 3. Nature of conveyance: Imate-ku, Imate-ku, Imate-ku, Im	SHIZUNO, Yoshinori		Ohi Electric Inductor Co. 141			
Additional names(s) of conveying party(les) Ves Z No Minato-ku, State/Prov.: 3. Nature of conveyance: Set Minato-ku, State/Prov.: 2. Assignment Change of Name City: Tokyo State/Prov.: 2. Other Country: Japan ZIP: Execution Date: September 21, 2005 Additional name(s) & address(es) Ves Zit No 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: September 21, 2005 Patent Application No. Filing date B. Patent No.(s) State/Prov.: 121/2005 BITNE<00000178 500234						
3. Nature of conveyance: 3. Nature of conveyance: 3. Nature of conveyance: 3. Nature of conveyance: 3. Assignment Charge of Name Other Country: Japan ZIP: Execution Date: September 21, 2005 Additional name(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: September 21, 2005 Patent Application No. Filing date NEW November 15, 2005 Patent Application No. Filing date Registration No. Statement should be mailed: Name: Andrew J. Telesz, Jr. Registration No. State/Prov.: YA City: Reston Statement and signature. State/Prov.: YA City: Reston duplication strue and correct and any attached copy is a true copy of this page if paying by deposit account B. Deposit account number: Solo238 Solo238 City: Reston State/Prov.: YA Country: USA. City: Reston State/Prov.: YA City: Reston </td <td></td> <td></td> <td>Address:</td> <td>7-12, Toranomon 1-ch</td> <td>iome,</td> <td><u>" </u></td>			Address:	7-12, Toranomon 1-ch	iome,	<u>" </u>
Image: Security Agreement Image: Change of Name Image: Security Agreement Image: Change of Name Image: Country: Japan ZIP: Execution Date: September 21, 2005 Additional name(s) & address(es) Image: Yes Image: Y	Additional names(s) of conveying party(ies)	🗆 Yes 🖾 No	<u>Minato-ku,</u>			10 1
□ Security Agreement □ Change of Name □ Other	3. Nature of conveyance:					13
□ Other Country: Japan ZIP: Execution Date: September 21, 2005 Additional name(s) & address(es) □ Yes ☑ No 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: September 21, 2005 Patent Application No. Filing date B. Patent No.(s) NEW Norember 15, 2005 /21/2005 DBYRE 00000178 500238 11273339 Ft:6021 40.00 BA Additional numbers □ Yes ☑ No 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: 1 Name: Andrew J. Telesz, Jr. 7. Total fee (37 CFR 3.41): \$ 40.00 □ Enclosed - Any excess or insufficiency should be credited to deposit account Image: September 21, 2019 Image: September 21, 2019 City: Reston State/Prov:: YA September 21, 2019 Image: September 21, 2019 City: Reston State/Prov:: YA September 21, 2019 Image: September 21, 2019 Statement and signature. Total supher of caces induding over stee, attachments, and correct and any attached copy is a true copy of the original document. Novembe	Assignment	Merger				
Execution Date: September 21, 2005 Additional name(s) & address(es) Yes Image: No 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: September 21, 2005 Patent Application No. Filing date B. Patent No.(s) Patent Application No. Filing date B. Patent No.(s) VEW November 15, 2005 B. Patent No.(s) 721/2005 DBYRE 90000178 500238 11273339 FE16021 40.00 M Additional numbers G. Total number of applications and patents involved: 1 Name: Andrew J. Telesz, Jr. 7. Total fee (37 CFR 3.41): \$ 40.00 Registration No. 33,581 G. Total number of applications and patents involved: 1 11951 Freedom Drive, Suite 1260 G. Authorized to be charged to deposit account M. Authorized to be charged to deposit account 8. Deposit account number: So-238 G. Authorizet copy of this page if paying by deposit account) 0. Statement and signature. ON ON OUSE THIS SPACE Signature November 15, 2005 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.	Security Agreement	Change of Name	City: <u>Toky</u>	o State	୬/Prov.:	
4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: Patent Application No. Filing date NEW November 15, 2005 PELOD DRYNE Octoor DRYNE Owner 15, 2005 Patent Application No. Filing date NEW November 15, 2005 PELOD DRYNE Owner 15, 2005 Patent No.(s) Filing date New November 15, 2005 Patent No.(s) Statement and address of party to whom correspondence concerning document should be mailed: Name: Andrew J. Telesz, Jr. Registration No. 33,581 Address: Volentine Francos & Whitt, P.L.L.C. 11951 Freedom Drive, Suite 1260 B. Deposit account number: Sepectation rumber: 50-0238 (Attach duplicate copy of this page if paying by deposit account) City: Reston State/Prov.: VA Country: U.S.A. ZIP: 20190 Do Not USE THIS SPACE Signature 9. Statement and signature. Sign	□ Other		Country:	apan	ZIP:	
If this document is being filed together with a new application, the execution date of the application is: September 21, 2005 Patent Application No. Filing date B. Patent No.(s) NEW November 15, 2005 B. Patent No.(s) 1/21/2005 DBYRME 00000178 500238 11273339 Additional numbers I Yes ⊠ No 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: 1 Name: Andrew J. Telesz, Jr. 7. Total fee (37 CFR 3.41): \$ 40.00 Registration No. 33,581 Inclosed - Any excess or insufficiency should be credited or debited to deposit account 1951 Freedom Drive, Suite 1260 8. Deposit account number: 50-0238 (Attach duplicate copy of this page if paying by deposit account) Country: U.S.A. ZIP: 20190 ON OT USE THIS SPACE 9. Statement and signature. November 15, 2005 To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. November 15, 2005 9. Statement and signature. Signature 1 To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. 1	Execution Date: September 21, 2005		Additional na	me(s) & address(es)	🗆 Yes	🛛 No
If this document is being filed together with a new application, the execution date of the application is: September 21, 2005 Patent Application No. Filing date B. Patent No.(s) NEW November 15, 2005 B. Patent No.(s) 721/2005 DBTRME 00000178 500238 11273339 C. Total numbers C. Total number of applications and patents involved: 1 7. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: 1 Name: Andrew J. Telesz, Jr. 7. Total fee (37 CFR 3.41):	4. Application number(s) or patent number	ers(s):	- L			
Patent Application No. Filing date B. Patent No.(s) NEW November 15, 2005 V21/2005 DBYNE 00000178 500238 11273339 Additional numbers FE:8021 40.00 Dk 5. Name and address of party to whom correspondence concerning document should be mailed: G. Total number of applications and patents involved: 1 Name: Andrew J. Telesz, Jr. G. Total number of applications and patents involved: 1 Name: Andrew J. Telesz, Jr. 7. Total fee (37 CFR 3.41):\$ 40.00 1 Registration No. 33,581 G. Total number of applications and patents involved: 1 Address: Volentine Francos & Whitt, P.L.L.C. B. Authorized to be charged to deposit account 8 11951 Freedom Drive, Suite 1260 8. Deposit account number: 50-0238 (Attach duplicate copy of this page if paying by deposit account) City: Reston State/Prov:: VA (Attach duplicate copy of this page if paying by deposit account) 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. November 15, 2005 Name of Person Signing Signature 1 Date			the executiv	on date of the applicat	tion is: gauge	1. 01 0005
NEW November 15, 2005 /21/2005 DBYRNE 00000178 500238 11273339 FE:8021 40.00 M Additional numbers □ Yes ⊠ No 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: 1 Name: Andrew J. Telesz, Jr. 7. Total fee (37 CFR 3.41):\$ 40.00 □ Registration No. 33,581 □ □ Address: Volentine Francos & Whitt, P.L.L.C. 1 0 11951 Freedom Drive, Suite 1260 □ Enclosed - Any excess or insufficiency should be credited to deposit account ⊠ Authorized to be charged to deposit account 8. Deposit account number: 50-0238 (Attach duplicate copy of this page if paying by deposit account) Country: U.S.A. ZIP: 20190 O NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. November 15, 2005 Name of Person Signing Signature 2 Date						
V21/2005 DBTRNE 00000176 500238 11273339 FC:8021 40.00 MA Additional numbers Yes ⊠ No 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: 1 Name: Andrew J. Telesz, Jr. 6. Total number of applications and patents involved: 1 Registration No. 33,581	Patent Application No. Filing	Jate	B.	Patent No.(s)		
FC:8021 40.00 MA Additional numbers Yes 🖄 No 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: 1 Name: Andrew J. Telesz, Jr. 7. Total fee (37 CFR 3.41):	NEW Novem	ber 15, 2005				
FC:8021 40.00 MA Additional numbers Yes 🖄 No 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: 1 Name: Andrew J. Telesz, Jr. 7. Total fee (37 CFR 3.41):						
Additional numbers Yes X No 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: 1 Name: Andrew J. Telesz, Jr. 7. Total fee (37 CFR 3.41):\$ 40.00 Registration No. 33,581		\backslash				
5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: 1 Name: Andrew J. Telesz, Jr. 7. Total fee (37 CFR 3.41):	1010021 - 40.00 BM					
concerning document should be mailed: Name: Andrew J. Telesz, Jr. Registration No. 33,581 Address: Volentine Francos & Whitt, P.L.L.C. 11951 Freedom Drive, Suite 1260 Enclosed - Any excess or insufficiency should be credited to deposit account Mathematical Country: U.S.A. City: Reston State/Prov.: VA Country: U.S.A. ZIP: 20190 Do Not use THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Andrew J. Telesz, Jr. November 15, 2005 Name of Person Signing Signature To tal number of pages including cover sheet, attachments, and document: 2					and natanta invol	had:
Registration No. 33,581 Address: Volentine Francos & Whitt, P.L.L.C. 11951 Freedom Drive, Suite 1260 Authorized to be charged to deposit account 11951 Freedom Drive, Suite 1260 Authorized to be charged to deposit account City: Reston State/Prov.: VA Country: U.S.A. ZIP: 20190 O NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. November 15, 2005 Name of Person Signing Signature 2 To the best, Signing Signature 2			6. Total number of applications and patents involved.			
Address: Volentine Francos & Whitt, P.L.L.C. 11951 Freedom Drive, Suite 1260 Authorized to be charged to deposit account 11951 Freedom Drive, Suite 1260 Authorized to be charged to deposit account City: Reston State/Prov.: VA Country: U.S.A. ZIP: 20190 O NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Andrew J. Telesz, Jr. November 15, 2005 Name of Person Signing Signature Total number of pages including cover sheet, attachments, and document: 2			7. Total fee (37 CFR 3.41):\$ 40.00			
Address: Volentine Francos & Whitt, P.L.L.C. 11951 Freedom Drive, Suite 1260 Image: Authorized to be charged to deposit account Image: City: Reston State/Prov.: VA Country: U.S.A. ZIP: 20190 Image: Authorized to be charged to deposit account 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Image: Country: Image: Country: Image: Country: Image: Country: Image: Country: Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Image: Country: Image: Country: Marew J. Telesz, Jr. Image: Country: Image: Country: Image: Country: Image: Country: Image: Country: Image: Country: Image: Country: Image: Country: Image: Country: Image: Country: Image: Country: Image: Country: Image: Country: Image: Country: Image: Country: Image: Country: Image: Country: Image: Country: Image: Country: Image: Country: Image: Country: Image: Country: Image: C	Registration No. 33,581		Enclosed - Any excess or insufficiency should be credited or debited to deposit account			
11951 Freedom Drive, Suite 1260 Image: Authorized to be charged to deposit account City: Reston State/Prov.: VA Country: U.S.A. ZIP: 20190 O NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Andrew J. Telesz, Jr. November 15, 2005 Name of Person Signing Signature Total number of pages including cover sheet, attachments, and document: 2						
8. Deposit account number: City: Reston State/Prov.: VA Country: U.S.A. ZIP: 20190 ONOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Andrew J. Telesz, Jr. Name of Person Signing Total number of pages including cover sheet, attachments, and document:			🛛 Auth	orized to be charged	to deposit accou	unt
City: Reston State/Prov.: VA Country: U.S.A. ZIP: 20190 (Attach duplicate copy of this page if paying by deposit account) Do NOT USE THIS SPACE 9. Statement and signature. Do NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Andrew J. Telesz, Jr. November 15, 2005 Name of Person Signing Signature Total number of pages including cover sheet, attachments, and document: 2			8. Deposit account number:			
Country: U.S.A. ZIP: 20190 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature. DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Andrew J. Telesz, Jr. November 15, 2005 Name of Person Signing Signature 2	City: Reston State/Prov.: VA		50-0238			
DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Andrew J. Telesz, Jr. Name of Person Signing Total number of pages including cover sheet, attachments, and document:	0kji		(Attach duplicate copy of this page if paying by deposit account)			
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Andrew J. Telesz, Jr. November 15, 2005 Name of Person Signing Signature 2 Date						
of the original document. Andrew J. Telesz, Jr. November 15, 2005 Name of Person Signing Signature Total number of pages including cover sheet, attachments, and document: Date	9. Statement and signature.					
Andrew J. Telesz, Jr. November 15, 2005 Name of Person Signing Total number of pages including cover sheet, attachments, and document: 2 Date	of the original document.		1.51	TI		
Name of Person Signing Signature 2			× \.	phr p		5, 2005
Total number of pages including cover sheet, attachments, and document:	Name of Person Signing		÷			
	Total nu	the here and a line in a second of set	th required COVER SD	eet information to:		
Mail Stop Assignment Recordation Services		Mail Stop Assignme	Patent and Trad	emark Office		
P.O. Box 1450, Alexandria, VA 22313-1450						

REEL: 017222 FRAME: 0448

04ED0064

Attorney Reference

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS	Yoshinori SHIZUNO				
hereinafter referred to collectively as the assignor, has invented a certain improvement					
relating toCIRCUIT BOARD WITH EMBEDDED COMPONENT AND METHOD OF MANUFACTURING SAME					
[X] the inventor(s) declara	ition for said application being exec	cuted 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 F	RANCOS, PLLC, 12200 Sunrise Val	ly Drive Suite 150, Reston, Virginia 20191, to			
insert here in parentheses	(Application Serial No) the application serial			
number of said application w	hen known;	· · · · · · · · · · · · · · · · · · ·			
[] said application having been filed under the Patent Cooperation Treaty on					
Serial No.), the United States of America being designated.					
, <u> </u>	,	······································			

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 assignor, 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 assignor 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 requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof,

to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, September 21, 2005.

WITNESS:

ASSIGNOR:

Signature: Makoto Zerui Signature: <u>Joshinori</u> Signature: <u>Yoshinori</u> Signature: <u>Yoshinori</u> Signature: Yoshinori SHIZUNO Name:

Makoto TERUI

VOLENTINE FRANCOS, PLLC

PATENT REEL: 017222 FRAME: 0449

RECORDED: 11/15/2005