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Mail Stop: Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450  RECORDATION FORM 12-12- 12-12- 103134		-2005	2005		ratent and 1 ratemark Office	
	Please record the attached orig	inal docum	ent or copy	thereof.		
1. A. Name of conveyir	ng parties:	2. A.	Name and	d address of receiving	parties:	
	<ol> <li>Susumu NODA</li> <li>Takashi ASANO</li> <li>Hitomichi TAKANO</li> <li>Additional name(s) of conveying party(ies) attached?</li></ol>		1) JAPAN SCIENCE AND TECHNOLOGY AGENCY 4-1-8, HONCHO, KAWAGUCHI-SHI, SAITAMA 332-0012, JAPAN			
B. Additional name(			LTD. 1048, C	2) MATSUSHITA ELECTRIC WORKS,		
3. A. Nature of conveys	ance:	В.	Addition	al name(s) & address(d ☐Yes	es) attached?  No	
	☐ Merger					
Security Agreeme	ent Change of Name					
Other						
B. Execution Date:	1 & 2 - May 27, 2005; 					
4.  This document is	being filed together with a new applic	ation.				
A. Patent Application No.(s)		B. Patent No.(s)				
AJARRO 000 <b>00064 105407</b> 76	Additional numbers atta	ached?	Yes ⊠1	٧o		
	on: ELECTROMAGNETIC WA	VE FREC	UENCY	FILTER		
Name and address of p concerning document s	arty to whom correspondence hould be mailed:	6. Tota	al number (	of applications and par	tents involved: 1	
Name: James A. Oliff		7. A.	Total fee	(37 CFR 3.41)	.\$ 40.00	
		В.	Enclosed	(Check No. <u>168066</u> )		
Address: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, VA 22320		Credit any overpayment or charge any underpayment to deposit account number 15-0461.				
9. Statement and signat To the best of my know the original document.	ledge and belief, the foregoing inform	aation is tru	e and corr	ect and any attached o	copy is a true copy of	
James A. Oliff Regi	istration No. 27,075 Registration No. 38,565 Total number of pages i	ncluding co		te: June 24, 2005	ment: <u>2</u>	

PATENT REEL: 017323 FRAME: 0389

## ASSIGNMENT (Two Assignees)

Name(s) of Liventor(s)   13   Hitorrichi TAKANO   (6)	/#D	Susumu NODA	(1) _5		
(3) Historichi TAKANO (6)  Insert Name of First Assignee (9A) Insert Name of First Assignee (10A) Insert Name of First Assignee (10B) Insert Name of Second (11D) Insert Name of Second (11D) Insert Name of Second (12D) Insert Name of Second (12D) Insert Name of Second (13D) Alternative (13D) Insert Name of Second (14D) Insert Name of Second (15D) Insert Name of Second (15D) Insert Name of Second (16D) Insert Name of Second (17D) Insert Name of Second (18D) Insert Name of Sec	(5)	Takashi ASANO	(2)	Insert	(1-8)
to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer at Assignee (10A)	(6)	Hitomichi TAKANO	(3) <u>I</u>		
to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer at Assignee (10A)					
Assignee (9A) Japan Science and Technology Agency  (10B) Insert Manuel of Second Assignee (10B) Insert Manuel of Second Assignee (10B) Insert Address of Second Assignee (10B) Insert Insert Address of Second Assignee (10B) Insert			to each o		
Assignee (10A) 4-1-8, Honche, Kawaguchi-shi, Satama 332-0012, Japan  Matsushita Electric Works, Ltd.  (10B) Insert Address of Second Assignee (10B) Insert Address of Second  (herianfier designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined §100, in the invention, and in all applications for patent including any and all provisional, divisional, confirmational, confirmation, and all Letters Patent, extensions, reissues and reexamination certificates that may be granted invention known as (11)  Insert Identification, such as Title, Case Number or Foreign Application Number  Attorney Docket No.  for which the undersigned has (have) executed an application for patent in the United States of A even date herewith or  (12) Insert Date of Signing of (12) Application  (13) Alternative (13) Number Identification for filed applications for the invention, and any patention filed  1) Each undersigned agrees to execute all papers necessary in connection with the application and any continuing, divisional or reasplications for the invention, and any patentif(s) issuing thereon, and also to execute separate assignments in connection with such application or continuation or division thereof, or any patent or reissue application based thereon, and to cooperate with the Assignees in ever possible in obtaining evidence and going forward with such interference.  3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with provisions of the International Convention for Protection of Industrial Property or similar agreements.  4) Each undersigned agrees to execute all papers and documents and perfor	псу	Assignee	•		
Assignce  (10B) Insert Address of Second  Assignce  (hereianfiter designated as the Assignce's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined \$100, in the invention, and in all applications for patent including any and all provisional, divisional, continuation, terminational, confirmational, confirmation, and all Letters Patent, extensions, reissues and reexamination certificates that may be granted invention known as a Title, Case  Number or Foreign Application Number  Attorney Docket No.  for which the undersigned has (have) executed an application for patent in the United States of A even date herewith or  (12) Insert Date of Signing of (12) Application  (13) Alternative (13) Number Identification for filed applications for the invention, and any patention filed  1) Each undersigned agrees to execute all papers necessary in connection with the application and any continuing, divisional or re applications for the invention, and any patentify issuing thereon, and also to execute separate assignments in connection with such application patents as the Assignees may deem necessary.  2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning application or continuation or division thereof, or any patent or reissue applications based thereon, and to cooperate with the Assignees in ever possible in obtaining evidence and going forward with such interference.  3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary to connection with provisions of the International Convention for Protection of Industrial Property or	ma 332-0012, Japan	(10A)		(10A)	
(10B) Insert Address of Second Assignee  (hereinafter designated as the Assignee) and Assignee's helrs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined \$100, in the invention, and in all applications for patent indiga any and all provisional, on provisional, divisional, continuation, international, confirmation, substitute and reissue application known as and all Letters Patent, extensions, reissues and reexamination certificates that may be granted invention known as an all Letters Patent, extensions, reissues and reexamination certificates that may be granted invention known as an all Letters Patent, extensions, reissues and reexamination certificates that may be granted invention known as a constant of the provision of the provision of the constant of the provision of the state of the provision of the Internation (12) and provision of the Internation (13) and provision of the Internation and applications for the Invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such application are patents as the Assignees may deem necessary.  2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning application or continuation or division thereof, or any patent or reissue application based thereon, and to cooperate with the Assignees in ever possible in obtaining evidence and going forward with such interference.  3) Each undersigned agrees to execute all papers and documents and perform any act which may be declared concerning application or continuation or division thereof, or any patent or reissue application based thereon, and to cooperate with the Assignees.  4) Each undersigned application for Protection of Industrial Property or similar agreements.  5) Each undersigned agrees to execute all papers		(9B)		(9B)	
representatives, the entire right, title and interest for the United States of America as defined \$100, in the invention, and in all applications for patent including any and all provisional, and all Letters Patent, extensions, reissues and reexamination certificates that may be granted invention known as  (11) Insert Identification, such as Title, Case Number or Foreign Application Number  (12) Insert Date of Signing of (12)	)saka 571-8686, Japan	1048, Oaza-Kadoma, Kad	(10B)	Insert Address of Second	(10B)
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Date Ot/27 Great Inventor Signature Syraymy Mad	interference which may be declared concerning this on, and to cooperate with the Assignees in every way act which may be necessary in connection with claims or ements.  To obtain, maintain or confirm by reissue or reexamination at and Trademark Office to issue any and all Letters saue applications to the said Assignees, as Assignees of the and that he has not executed, and will not execute, any theirs, successors, assigns and legal representatives. To insert on this assignment any further identification that I Trademark Office for recordation of this document.	ing thereon, and also to execute the papers necessary in connection by patent or reissue application by patent or reissue application by patent or reissue application by patent and documents and pection of Industrial Property or significant of Industrial Property or significant of Industrial Property or significant or any divisional, continuously the continuation of the United States of the United States	tent(s) issuitary. execute all proof, or any forward with a for Protect perform all the Assigners and request as aid applicated in fact that this comply with	ions for the invention, and any pates the Assignees may deem necess 2) Each undersigned agrees to ion or continuation or division the in obtaining evidence and going 3) Each undersigned agrees to ms of the International Convention 4) Each undersigned agrees to a valid United States patent to the state of the United States resulting from terest, and covenants that he has fints in conflict herewith, and agree 6) Each undersigned hereby grancessary or desirable in order to construct the state of the undersigned hereby grancessary or desirable in order to construct the state of the undersigned hereby grancessary or desirable in order to construct the state of the undersigned hereby grances.	patents a application possible provision a grant of Patents of entire int agreement
Date 25/27/2010 Inventor Signature				m witness whereof, executed in	<b>.</b> .
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Date Inventor Signature					11970
Date Inventor Signature	(SEAL)	Inventor Signature			•
Date Inventor Signature	(SEAL)	Inventor Signature Inventor Signature			Date
This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. then it should be signed before at least two witnesses who also sign here:	(SEAL)	Inventor Signature Inventor Signature			Date
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**RECORDED: 06/24/2005** 

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