08-18-20)03 WAKA 20.567
Form PTO-1595 (Rev. 03/01)	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
OMB No. 0651-0027 (exp. 5/31/2002) Tab settings □ □ □ □ ▼ 1025274	
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To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.
1. Name of conveying party(ies): Masaaki ARAI Masakazu NISHIWAKI	2. Name and address of receiving party(ies) Name:
Additional name(s) of conveying party(ies) attached? 🌄 Yes 😰 No	
3. Nature of conveyance:	
🗹 Assignment 🕞 Merger	21-2, Nishihara 1-chome,
📮 Security Agreement 🛛 🖬 Change of Name	Street Address:
Other	Shibuya-ku, Tokyo, Japan
Uner	City:State:Zip:
Execution Date:July 30, 2003	Additional name(s) & address(es) attached? 僅 Yes 📮 No
4. Application number(s) or patent number(s):	July 30, 2003
	ication, the execution date of the application is:
	tached? Yes Yes No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Katten Muchin Zavis Rosenman	7. Total fee (37 CFR 3.41)\$
	Enclosed
Internal Address:	Authorized to be charged to deposit account
575 Madison Avennue Street Address: 15th Floor IP Department	8. Deposit account number: 50-1290
New York New York 10022-2585 City:State:Zip:	(Attach duplicate copy of this page if paying by deposit account)
DO NOT USE	THIS SPACE
9. Statement and signature.	
To the best of my knowledge and belief, the foregoing is a true copy of the original document. Michael I. Markowitz	information is true and correct and any attached copy August 7, 2003
Name of Person Signing	Signature Date
	er sheet, attachments, and documents:
Commissioner of Patents &	h required cover sheet information to: Trademarks, Box Assignments
	n, D.C. 20231
40.00 DA	

REEL: 014382 FRAME: 0852

ASSIGNMENT

WHEREAS, the below named inventor, ASSIGNOR, has made a certain new and useful invention in: SURFACE-MOUNT CRYSTAL OSCILLATOR

for which (check one)	e) [x] an application is being filed concurrently herewith,					
	[cation for a Patent of the United States was filed on Application Serial No			
			KOGYO CO., LTD. Nishihara l-chome, Shibuya-ku, Tokyo, Japan			
naving a place of bush	1055 at	<u> </u>				

ASSIGNEE is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation and set onerty or countries foreign to the said invention in any country or countries foreign of industrial property protection, including, without applications for industrial property protection, including, without limitation all agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument; and

ASSIGNOR covenants and agrees that he has full right to convey the entire interest herein assigned, and has not executed, and will not execute, any agreement in conflict herewith; and

ASSIGNOR further covenants and agrees that he will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

Full name of sole or fi		Masaaki	ARAI		July 30, 2003	
Inventor's Signature ResidenceSaitar	<u> </u>	Trai			ip Japanese	
Post Office Address_	c/o Nihon	Dempa Kogyo	o Co.,	Ltd., 1275-	2, Oaza Kamihirose,	
	Sayama-shi	, Saitama,	Japan			<u></u>

Full name of second joint i	nventor, if any Masaka	azu NISHIW	AKI	.,		
Second Inventor's Signatur	e M Nishiwaki		Date	July 30,		
Residence Saitam	a. Japan	(Citizenship	Japane	se	
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RECORDED: 08/07/2003