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RECORDA:  Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)  RECORDA:  PM 2: 50 PATENTS	102253360 U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office			
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To the nonorable commissioner of Patents and Trademarks.	rease record the attached original documents or copy thereof			
Name of conveying party(ies):     Ryoichi Takayama, Hidekazu Nakanishi,     Tetsuo Kawasaki, Toru Sakuragawa and Yasuhiko Yokota	Name and address of receiving party(ies):     Name: <u>Matsushita Electric Industrial Co., Ltd.</u> Internal Address:			
	Street Address: 1006, Oaza Kadoma, Kadoma-shi			
Additional name(s) of conveying party(ies) attached?	City: Osaka State:			
3. Nature of Conveyance:  ☑ Assignment ☐ Merger	Zip: <u>571-8501</u> Country: <u>Japan</u>			
☐ Security Agreement ☐ Change of Name ☐ Correction of Assignment Recordation				
(previously recorded at Reel, Frame).  Other	Additional name(s) & address(es) attached? ☐ YES ☒ NO			
Execution Date: <u>September 6, 2002</u>				
4. Application number(s) or patent number(s):				
If this document is being filed together with a new application	cation, the execution date of the application is:			
A. Patent Application Number(s) 10/168,284	B. Patent Number(s)			
Additional number(s) attached?				
5. Name and address of party to whom correspondence concerning document should be	6. Total number of applications and patents involved: $\underline{1}$			
mailed:	7. Total ree (37 CFR 3.41): \$ 40.00			
Name: Lawrence E. Ashery Internal Address: RatnerPrestia	☑ Enclosed			
Street Address: Suite 301	Authorized to be charged to deposit account			
One Westiakes Berwyn, P.O. Box 980 City: Valley Forge State: PA ZIP: 19482-0980	8. Deposit account number: 18-0350 (Attach duplicate copy of this page if paying by deposit account.)			
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9. Statement and signature.  To the best of my knowledge and belief, the foregoing in copy of the original document.	formation is true and correct and any attached copy is a true			
Lawrence E. Ashery Name of Person Signing 34.515  Signature	October 8, 2002 Date			
Registration. No.				
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**PATENT REEL: 013381 FRAME: 0487** 

No legalization required

## **ASSIGNMENT**

WHEREAS, the ASSIGNOR, comprising the following named inventor(s)

## Inventor(s)

## ASSIGNOR(s)/INVENTOR(s)

- Ryoichi Takayama
   Letsuo Kawasaki
   Toru Sakuragawa
- 5. <u>Yasuhiko Yokota</u>

has made an invention entitled: SURFACE ACOUSTIC WAVE FILTER

and has executed an application for Letters Patent of the United States concurrently herewith;

## ASSIGNEE (Full Name and address)

WHEREAS, the ASSIGNEE	
Matsushita Electric Industrial Co., Ltd.	

1006, Oaza Kadoma, Kadoma-shi, Osaka, 571-8501 Japan

is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor.

NOW, THEREFORE, in consideration of the payment by ASSIGNEE to ASSIGNOR of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR, intending to be legally bound, hereby sells, assigns and transfers to ASSIGNEE, its successors and assigns the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions and continuations thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

ASSIGNOR hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

PATENT REEL: 013381 FRAME: 0488 ASSIGNOR agrees it shall be legally bound, upon request of the ASSIGNEE or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the ASSIGNOR has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the ASSIGNEE, and to execute all instruments proper to carry out the intent of this instrument.

If the invention requires a biological deposit, ASSIGNOR also grants to ASSIGNEE such control over any deposit made by ASSIGNOR as may be necessary to the validity of the patent rights assigned herein.

ASSIGNOR authorizes ASSIGNOR's attorney to insert at the end hereof the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney docket or file designation for this application.

If the ASSIGNOR includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

IN WITNESS WHEREOF, this Assignment is executed on the day indicated below.

	(Typed or Printed Name)		rinted Name)	(Signature)	(Date)
SIGNATURE(S)	1.	Ryoic	hi Takayama	Rvichi Takayan	(September 6, 2002
	2.	<u>Hidek</u>	azu Nakanishi	Hidekazu Nakanishi	September 6, 2002
	3.	<u>Tetsu</u>	o Kawasaki	Te tsuo Kawasak.	September 6, 2002
	4.	Toru :	Sakuragawa	Jon Laburagawa	September 6, 2002
	5.	<u>Yasul</u>	niko Yokota	Jasulieko ijskoto	September 6, 2002
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	Appl	ication	for United Sta	ates Letters Patent	
	Serial No10/168,284			Filed October	<u>8;</u>
	Atto	rney Do	ocket No	MAT- 8273US	•

PATENT RECORDED: 10/08/2002 REEL: 013381 FRAME: 0489