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B/O FORM PTO-1595 (Rev. 4/00)

U.S. Department of Commerce Patent and Trademark Office



103494375

To the **Commissioner for Patents**. Please record the attached original documents or copies thereof.

<p>1. Name of Conveying Party(ies):</p> <p>Masayuki FUNAMI Takeshi TAKENOSHITA Yuuko YOKOTA</p>	<p>2. Name and Address of Receiving Party(ies):</p> <p>Name: KYOCERA Corporation</p> <p>Street Address: 6, Takeda Tobadono-cho, Fushimi-ku, Kyoto-shi</p>
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<p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:</p> <p>Execution Date: March 25, 2008</p>	<p>City, State, Zip: Kyoto 612-8501, Japan</p> <p><input type="checkbox"/> Additional name(s) and address(es) attached.</p>
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<p>4. (A) Patent Application Number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is: March 25, 2008</p>	<p>4. (B) Patent Number(s):</p> <p><input type="checkbox"/> Additional Numbers Attached.</p>
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Title: **SURFACE ACOUSTIC WAVE DEVICE AND DUPLEXER AND COMMUNICATION DEVICE USING THE SAME**

Attorney Docket No.: **FUNA3004/EM**

<p>5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:</p> <p>Name: Eugene Mar</p> <p>Bacon & Thomas, PLLC 625 Slaters Lane Fourth Floor Alexandria, VA 22314</p>	<p>Total Number of Applications and Patents Involved: 1</p> <p>7. Total Fee: (37 CFR 3.41) \$40.00</p> <p><input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit Account Number: 02-0200</p>
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9. Statement and Signature:

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

Eugene Mar  March 28, 2008
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments and documents: **3**

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U.S. PTO
12/078232
03/28/2008

JOINT ASSIGNMENT - WITNESS

ASSIGNMENT

WHEREAS, I (we), Masayuki Funami, Takeshi Takenoshita and Yuuko Yokota whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, is(are) the owner of certain new and useful improvements in SURFACE ACOUSTIC WAVE DEVICE, AND DUPLEXER AND COMMUNICATIONS DEVICE USING SAME

(hereinafter referred to as the INVENTION) for which an application for United States Letters Patent was

- executed on even date herewith
- executed on:
- filed on: Serial No.:
- established by PCT International Patent Application No.: filed:
designating the United States of America

WHEREAS, KYOCERA Corporation whose post office address is 6, Takeda Tobadono-cho, Fushimi-ku, Kyoto-shi, Kyoto, 612-8501, Japan hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the united States;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the INVENTION that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof, and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR authorizes any member of the firm of Bacon & Thomas to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

JOINT ASSIGNMENT - WITNESS

ASSIGNMENT

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Assignor Name Masayuki Funami	Address c/o KYOCERA Corporation, R&D Center, Keihanna, 3-5-3 Hikoridai, Seika-cho, Soraku-gun, Kyoto 619-0237, Japan
Where Signed Kyoto, Japan	
Date <i>Mar. 25, 2008</i>	Signature <i>Masayuki Funami</i>
Witness (optional)	Witness (optional)
Print/Type Name	Print/Type Name
Signature	Signature

Assignor Name Takeshi Takenoshita	Address c/o KYOCERA Corporation, R&D Center, Keihanna, 3-5-3 Hikoridai, Seika-cho, Soraku-gun, Kyoto 619-0237, Japan
Where Signed Kyoto, Japan	
Date <i>Mar. 25, 2008</i>	Signature <i>Takeshi Takenoshita</i>
Witness (optional)	Witness (optional)
Print/Type Name	Print/Type Name
Signature	Signature

Assignor Name Yuuko Yokota	Address c/o KYOCERA Corporation, R&D Center, Keihanna, 3-5-3 Hikoridai, Seika-cho, Soraku-gun, Kyoto 619-0237, Japan
Where Signed Kyoto, Japan	
Date <i>Mar. 25, 2008</i>	Signature <i>Yuuko Yokota</i>
Witness (optional)	Witness (optional)
Print/Type Name	Print/Type Name
Signature	Signature