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Form PTO 159S				U.S. Department of Commerce	
<p><b>101262458</b></p> <p>To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents on hand thereof.</p>					
1. Name of conveying party(ies)  Kazuo Tsubouchi, Hiroaki Sasaki, Kazuyoshi Sugai, Kazuma Soeta and Tomohiko Shibata  Additional name(s) of conveying parties attached <input checked="" type="checkbox"/> No			2. Name and address of receiving party(ies):  Name: Kazuo Tsubouchi Address: 30-38, Hitokita 2-Chome, Taihaku-Ku. Sendai City, Miyagi Pref., Japan  Additional name(s) attached? <input checked="" type="checkbox"/> No		
3. Nature of Conveyance:  <input checked="" type="checkbox"/> Assignment                  ___ Merger ___ Security Agreement        ___ Change of Name ___ Other  Execution Date January 5, 2000					
4. Application number(s) or patent number(s)  If this document is being filed together with a new application, the execution date of this application is _____.  <div style="display: flex; justify-content: space-between;"> <span>A. Patent Application No.(s)</span> <span>B. Patent No.(s)</span> </div> <div style="margin-top: 10px;">             09/435,190 filed November 5, 1999           </div> <div style="text-align: right; margin-right: 50px;">Additional Numbers attached? <input checked="" type="checkbox"/> No</div>					
5. Name and address of party to whom correspondence concerning this document should be mailed:  Name: Stephen P. Burr  Address: WALL MARJAMA BILINSKI & BURR 101 South Salina Street, Suite 400 Syracuse, NY 13202 Telephone: (315) 425-9000 Facsimile: (315) 425-9114			6. Total number of application and patents involved: 1  <hr/> 7. Total fee (37 CFR 3.4) \$40.00  <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge any deficiency or credit any over payment to Deposit Account No. 50-0289.  <hr/> 8. Charge Deposit account		
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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.  <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 40%;">   <u>Stephen B. Burr</u> Reg. No. 32,970           </div> <div style="width: 30%; text-align: right;"> <u>January 31, 2000</u> Date           </div> <div style="width: 25%; text-align: right;">Total Number of Pages Comprising Cover Sheet 3</div> </div>					
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**PATENT**  
**REEL: 010527 FRAME: 0091**

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## ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) <u>Kazuo TSUBOUCHI,</u>	(5) <u>Tomohiko SHIBATA,</u>
(2) <u>Hiroaki SASAKI,</u>	(6) _____
(3) <u>Kazuyoshi SUGAI,</u>	(7) _____
(4) <u>Kazuma SOETA,</u>	(8) _____

In consideration of the sum of dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Insert name of Assignee (9) Kazuo TSUBOUCHI  
30-38, Hitokita 2-Chome, Taihaku-Ku, Sendai City,  
(10) Insert address of Assignee (10) Miyagi Pref., Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

(11) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number  
(11) A COMMUNICATION SYSTEM USING A SURFACE ACOUSTIC WAVE-MATCHED FILTER  
\_\_\_\_\_(Case No. \_\_\_\_\_)

for which the undersigned has (have) executed an application for patent in the United States of America

(12) Insert Date of Signing of Application (12 on \_\_\_\_\_)

(13) Alternative identification for filed applications (13) U.S. application Serial Number 09/435,190  
filed November 5, 1999

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grant(s) the firm of WALL, MARJAMA & BILINSKI the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>January 5, 2000</u>	Name of Inventor <u>Kazuo Tsubouchi</u>	(SEAL)
Date <u>January 5, 2000</u>	Name of Inventor <u>Hiroaki Sasaki</u>	(SEAL)
Date <u>January 5, 2000</u>	Name of Inventor <u>Kazuyoshi Sugai</u>	(SEAL)
Date <u>January 5, 2000</u>	Name of Inventor <u>Kazuma Saita</u>	(SEAL)
Date <u>January 5, 2000</u>	Name of Inventor <u>Tomohiko Shibata</u>	(SEAL)
Date _____	Name of Inventor _____	(SEAL)
Date _____	Name of Inventor _____	(SEAL)
Date _____	Name of Inventor _____	(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. or (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date <u>January 5, 2000</u>	Witness <u>Tasako</u>	<u>CC</u>
Date <u>January 5, 2000</u>	Witness <u>Yoshiko</u>	<u>Kobata</u>