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02-22-2006 <u>6 2</u> RECORDATION FO' 103182255	Commerce S. Department of Commerce S. Patent and Trademark Office Attorney Docket Number: 107156-00320 Date: February 16, 2006
To the Director of the U.S. Patent and Trademark Office: Please re-	cord the attached documents or the new address(es) below.
1. Name of conveying party(ies)/Execution Date(s)	2. Name and address of receiving party(ies):
 Minoru HORIGOME Hiroshi SATO Execution Date(s): February 2, 2006 	Name: PIONEER CORPORATION Address: 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan and
Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance: Security Agreement Merger Government Interest Assignment Executive Order 9424, Confirmatory License Other:	Name: TOHOKU PIONEER CORPORATION Address: 1105, Aza-Nikko, Oaza-Kunomoto, Tendo, Yamagata 994-8585 Japan
	Additional name(s) & address(es) attached? 📋 Yes 🛛 🛛
4. Application number(s) or patent number(s):	his document is being filed together with a new application.
A. Patent Application Number(s) 11/294,335	B. Patent Number(s)
Additional numbers attache	ed? 🗌 Yes 🖾 No
 Name and address of party to whom correspondence concerning document should be mailed: 	6. Total number of applications and patents involved: One
Name: ARENT FOX PLLC	7. Total fee (37 CFR 3.41): \$ 40.00
Street Address: 1050 Connecticut Avenue, NW Suite 400 Washington, DC 20036-5339	 Included in attached check number 441077. Authorized to be charged by credit card. Authorized to be charged to Deposit Account. Any additional fees are authorized to be charged to Deposit Account.
Telephone Number: 202-857-6000 Fax Number: 202-638-4810	8. Payment Information
Email Address: dcipdocket@arentfox.com	a. Credit Card Last 4 Numbers: Expiration Date:
0/2006 HALIII 00000162 11290020 198081 40100 (H	 b. Deposit Account Number: 01-2300 (Attach duplicate cop of this page if paying by deposit account.)
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 Statement and signature. To the best of my knowledge and belief, the foregoing information is troriginal document. 	
George E. Oram, Jr.	February 16, 2006
Registration Number 27,931	ature D ate Date Date 2

TECH/399786.1

PATENT REEL: 017579 FRAME: 0727

Docket Number _107156-00320

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

PIONEER CORPORATION

4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan and

TOHOKU PIONEER CORPORATION

1105, Aza-Nikko, Oaza-Kunomoto, Tendo, Yamagata 994-8585 Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

LOUDSPEAKER

for which application for Letters Patent of the United States was

filed on December 6, 2005 , and assigned Serial Number 11/294, 335 (Arent Fox PLLC is hereby authorized to insert the zeries code, serial number and/or filing date hereon, when known) and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

Minory Hopigome Minory HORIGOME Feb. 2. 2006 (TYPE NAME) (DATE) Hiroshi Sato Feb. 2, 2006 Hiroshi SATO (TYPE NAME)

NO LEGALIZATION REQUIRED

TECH/384701.1

PATENT REEL: 017579 FRAME: 0728

RECORDED: 02/16/2006

[Lascat ASSIGNEE's Name(s) Address(cs)]

[Title of Invention]

[*]f the assignment is being filed after the filing of the application, this section must be completed]

[Signature(s) of Assignor(s)]