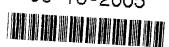
08-18-2005



FORM PTO-1595 (Rev. 10/02)	HEET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office			
Docket No.: 043890-0732 103064062	ung)			
To the Honorable Commissioner for Patents and Trademarks: Ple	ease record the attached original documents or copy thereto:			
1. Name of Conveying Party(ies):	2. Name and address of receiving party(ies):			
Masahide SUMIYAMA, Tetsuya MOURI, Satoshi ITOH,	Name: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.			
Takayoshi YAMASAKI	Address: 1006, Oaza Kadoma,			
Additional name(s) of conveying party(ies) attached? Yes No	Kadoma-shi,			
3. Nature of Conveyance:	Osaka, 571-8501 JAPAN			
☐ Security Agreement ☐ Change of Name				
☐ Other				
Execution Date: March 10, 2005				
	Additional name(s) & address(es) attached? Yes No			
4. Application number(s) or patent number(s):				
If the document is being filed together with a new application, the execution date of the application is: March 10, 2005				
A. Patent Application No(s).	B. Patent No(s).			
Additional numbers attac	hed? Yes No			
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved:			
concerning document should be mailed:				
Name: MCDERMOTT WILL & EMERY LLP	7. Total fee (37 CFR 3.41) \$40.00			
Internal Address:	☐ Enclosed			
	Authorized to be charged to deposit account			
Street Address: 600 13th Street, N.W.	8. Deposit account number:			
	500417			
City: Washington State: D. C. Zip: 20005-3096				
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9. Statement and signature.				
	ation is true and correct and any attached copy is a true copy			
of the original document.				
	1			
Michael E. Fogarty, 36,139	March 30, 2005			
Name and Registration No. of Person Signing	Signature Date			
	otal number of pages including cover sheet: 3			
OMB No. 0651-0027 (exp. 6/30/2005)				
1/05/2005 LLANDGRA 00000070 500417 10529727				

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ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1)	Masahide SUMIYAMA	(4)	Takayoshi YAMASAKI				
(2)	Tetsuya MOURI	(5)					
(3)	Satoshi ITOH	(6)					
	who have made a certain new and useful invention, hereby sell, assign and transfer unto MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.						
	6, Oaza Kadoma,	<u> </u>					
Kad	oma-shi,						
Osa	ka 571-8501 Japan						
_		_					

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

SPEAKER MODULE AND DEVICE USING THE SAME

- (a) for which an application for United States Letters Patent was filed on identified by United States Serial No. ; or
- (b) for which an application for United States Letters Patent was executed on,

and the undersigned hereby authorize and request the United States Commissioner for Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

PATENT REEL: 016892 FRAME: 0395

SIGNED on the dates indicated aside our signatures:

RECORDED: 03/30/2005

	INVENTORS	DATE SIGNED
1)	Masakide S'UMIYAMA Name: Masahide SUMIYAMA	March 10, 2005
2)	Name: Tetsuya MOURI	March 10, 2005
	Name: Tetsuya MOURI	• • • • • • • • • • • • • • • • • • • •
3)	Satoshi Stoh	March 10, 2005
	Name: Satoshi ITOH	
4)	Takayoshi YAMASAKI	March 10, 2005
	Name: Takayoshi YAMASAKI	
5)		
	Name:	
6)		
	Name:	

PCT International Application No. PCT/JP2004/014890 Filed: October 1, 2004

PATENT REEL: 016892 FRAME: 0396