**FORM PTO-1594** 1-31-92

10-30-1998



U.S. Department of Commerce Patent and Trademark Office Attorney Docket No. 06257.0025

To the Honorable Commissioner of Patent

100863949

	lonorable Commissioner of Patent record the attached original docum.	0863949	9	TN. BC	X ASSIGNMENTS	0	
1.	Name of conveying party(ies):		2. N	Name and address of receiving party(ies):			
	Shunsuke ISHIMITSU					1, L	
			Name:	PIONEER	ELECTRONIC CORPC	RATIONS T	
Additional name(s) of conveying party(ies) attached? □ Yes ⊠ No			Internal Address:				
3.	Nature of conveyance:				No. 4-1 Meguro 1-chome, Meguro-ku, Tokyo-to, Japan		
			City:	т			
⊠	Assignment	ger	State:		Zip Code:		
	Security Agreement □ Char	nge of Name	. ,	_	<b></b>		
		į				İ	
	Other					İ	
			Additional	name(s) &	Address(es) attached?		
Execution	on Date: October 15, 1998		□ Yes ⊠ N	0			
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application: October 15, 1998							
A.	A. Patent Application Number(s): 09/176302			B. Patent Number(s):			
		1					
Additional numbers attached? □ Yes 図 No							
5.	<ol> <li>Name and address of party to whom correspondence concerning document should be mailed:</li> </ol>			Total number of applications and registrations involved:     1			
Name:	Mr. Ernest F. Chapman		7. T ⊠	otal fee (37	CFR 3.41): \$40 <b>&amp;</b>		
Internal	FINNEGAN, HENDERSON, FARABOW, GARRETT Internal Address: & DUNNER, L.L.P.			Enclosed (Please charge deficiency to deposit account)			
			Authorized	i to be char	ged to deposit account		
-							
Street A	ddress: 1300 I Street, N.W.						
#Ofty:/1996_busing-devasion-grain-9176-91			8. Deposit account number: <u>06-0916</u>				
State:	DC 2Hp. 10 20005-3316	5					
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.							
!	Ernest F. Chapman	ff.C	lang		October 22, 1998		
Signature Date							
Total number of pages including cover sheet, attachments and documents: 2							

**PATENT REEL: 9540 FRAME: 0868** 

DA1-3056

## ATTORNEY DOCKET NO.:

SOLETJOINT INVENTION (U.S. Rights Only)

## ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)]. have made an invention entitled: SPEECH RECOGNITION METHOD AND SPEECH RECOGNITION **APPARATUS** for which I/WE executed an application for United States Letters Patent concurrently herewith or on \_\_\_\_\_\_ or filed an application for United States Letters Patent on \_\_\_\_\_\_, 19\_\_\_\_ (Serial No. \_\_\_\_\_\_); and WHEREAS. PIONEER ELECTRONIC CORPORATION .whose post office a corporation of Japan address is No. 4-1 Meguro 1-chome, Meguro-ku, Tokyo-to, Japan (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application; NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment; AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns. AND, I/WE HEREBY authorize and request the attorneys I/we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known. IN TESTIMONY WHEREOF, I/We have hereunto set our hand(s).

1. Full Name of Sole or First Assignor: Assignor's Signature : Date Shunsuke ISHIMITSU : Shunsuke Ashimitsu : October 15, 1

Address c/o Pioneer Electronic Corporation, Kawagoe Works. No. 25-1 : Citizenship

Aza-Nishicho, Oaza-Yamada, Kawagoe-shi, Saitama-ken, Japan

2 Euli Name of Corporation Shunsuke ISHIMITSU : October 15, 1998 2. Full Name of Second Assignor : Assignor's Signature : Date Address : Citizenship 3. Full Name of Third Assignor : Assignor's Signature

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. WASHINGTON, D.C.

PATENT **REEL: 9540 FRAME: 0869** 

: Date

: Citizenship

**RECORDED: 10/22/1998** 

Address