

10-18-2001



FORM PTO-1595
(Rev. 6-93)

DEPARTMENT OF COMMERCE
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Attorney Docket No.: 040894-5731

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

ATTN: BOX ASSIGNMENT

1. Name of conveying party(ies):

1. Hiroshi SAITO

10-11-01

Additional names of conveying party(ies) attached?

[] Yes [X] No

2. Name and address of receiving party(ies):

Name: PIONEER CORPORATION

Internal Address:

Street Address: 4-1, Meguro 1-chome, Meguro-ku,
Tokyo, Japan

City:

State:

Zip:

09/973,774

Additional name(s) & address(es) attached?

[] Yes [X] No

3. Nature of conveyance:

[X] Assignment [] Merger
[] Security Agreement [] Change of Name
[] Other

Execution Date: September 28, 2001

4. New Application number(s) or patent number(s): **NEW APPLICATION**

If this document is being filed together with a new application the execution date of the application is:

September 28, 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached: [] Yes [X] No

5. Name and address of party to whom
correspondence concerning document should be
mailed:

Name: Robert J. Gaybrick

Internal Address: **Morgan, Lewis & Bockius LLP**
Customer No. 09629

Street Address: 1800 M Street, N.W.
City: Washington State: D.C. Zip: 20036

6. Total number of applications and patents involved:

7. Total fee (37 C.F.R. §3.41): \$40.00

[X] Enclosed

[] Authorized to be charged to Deposit Account 50-0310

8. Deposit Account No. 50-0310

(Attach duplicate page if paying by deposit account)

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.

Robert J. Goodell Reg. No. 41,040

Name of Person Signing

Signature

October 11, 2001

Date

Total number of pages including cover sheet, attachments and documents: 2

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09/973774



10/11/01

10/15/2001 MWOLDER1 00000006 09973774

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PATENT
REEL: 012247 FRAME: 0071

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled: SPEECH RECOGNITION METHOD AND APPARATUS

for which I/WE executed an application for United States Letters Patent concurrently herewith; or on September 28, 2001; or filed an application for United States Letters Patent on _____, (Serial No. _____); and

WHEREAS, PIONEER CORPORATION, a corporation of Japan, whose post office address is No.4-1, Meguro 1-chome, Meguro-ku, Tokyo, 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 issue 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 October 11, 2001) 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 of First Assignor Hiroshi SAITO	Assignor's Signature <i>Hiroshi Saito</i>	Date September 28, 2001
Address c/o Pioneer Corporation, Kawagoe Works, 25-1, Aza Nishimachi, Oaza Yamada, Kawagoe-shi, Saitama, Japan		Citizenship Japan
2. Full Name of Second Assignor	Assignor's Signature	Date
Address		Citizenship

MORGAN, LEWIS & BOCKIUS