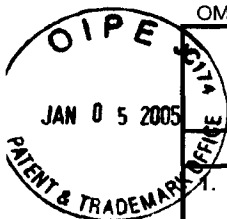


01-10-2005

Form PTO-1595 (Rev. 06/04)
OMB No. 0651-0027 (exp. 6/30/2005)



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



MRD
1-5-05

102916314
PATENTS ONLY

Attorney Docket No. 010755.55320US

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Hiroyuki MANABE
Akira HIRAIWA, deceased, by Yumiko HIRAIWA, his heir
Kouki HAYASHI
Toshiaki SUGIMURA
Toshio MIKI

Execution Date(s) September 15, 2004

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: **NTT DoCoMo, Inc.**

Street Address: **11-1, Nagatacho 2-chome,
Chiyoda-ku, Tokyo 100-6150
Japan**

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application number(s) or patent number(s): This document is being filed together with a new application.

A. Patent Application No.(s)
10/939,566

B. Patent Registration No.(s)

Additional number(s) attached? Yes No

6. Total number of applications and patents involved **1**

7. Total fee (37 CFR 1.21(h) & 3.41) **\$40.00**

Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

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

Name: **Crowell & Moring LLP**

Internal Address: _____

Street Address: **PO Box 14300
Washington**

City: _____

State: **DC** Zip: **20044-4300**

Phone Number: **202-624-2500**


Fax Number: **202-628-8844**

Email Address: _____

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number **05-1323**
Authorized User Name **Crowell & Moring LLP**

9. Signature:  _____

Date: January 5, 2005

Herbert I. Cantor, Reg. No. 24,392
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: **3**

Documents to be recorded (Including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

01/07/2005 NSETACHE 00000121 10939566

01 FC:8021

40.00 DP

PATENT
REEL: 016126 FRAME: 0477

ASSIGNMENT

WHEREAS, Hiroyuki MANABE, Akira HIRAIWA, Kouki HAYASHI, Toshiaki SUGIMURA and Toshio MIKI, citizen(s) of JAPAN whose address(es) is (are) c/o Intellectual Property Department, NTT DoCoMo, Inc., SANNO PARK TOWER, 11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 100-6150 JAPAN respectively, (hereinafter collectively ASSIGNOR) has invented certain new and useful improvements in SPEAKING PERIOD DETECTION DEVICE, VOICE RECOGNITION PROCESSING DEVICE, TRANSMISSION SYSTEM, SIGNAL LEVEL CONTROL DEVICE AND SPEAKING PERIOD DETECTION METHOD for which application for Letters Patent of the United States (5) is about to be (has been) made; and

WHEREAS, NTT DoCoMo, Inc. a corporation, of Japan whose address is 11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 100-6150 JAPAN (hereinafter ASSIGNEE) is desirous of acquiring all right, title, and interest in the United States in and to the aforesaid invention, and in, to and under any and all United States Patents to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR has and by these presents does hereby sell, assign and transfer unto ASSIGNEE, its successors and assigns, his entire right, title and interest in and to said invention as described in the application Serial Number _____, executed (filed) on _____ (Crowell & Moring LLP, are hereby authorized to insert the execution date, filing date, Serial Number or other appropriate identifying data when known) in any form or embodiment thereof, and in and to the aforesaid application; also his entire right, title and interest in and to any and all patents, reissues or extensions thereof to be obtained in the United States on said invention, and any divisional, continuation, continuation-in-part, or substitute applications which may be filed on said invention in the United States; and the issuing authority is hereby authorized and requested to issue any and all patents on said invention to ASSIGNEE.

ASSIGNOR further agrees without any payment by ASSIGNEE, other than expenses incurred by ASSIGNOR, to communicate to ASSIGNEE, its representatives or agents, facts relating to said invention, including evidence for interference purposes or for other proceedings, whenever requested; to testify in any interference or other proceedings, whenever requested; and to execute and deliver on request all lawful papers required to make any of the foregoing provisions effective, and likewise make these provisions binding upon any heirs, legal representatives, administrators and assigns, and ASSIGNOR hereby warrants that, at the time of execution and delivery of this instrument, he is the lawful owner of the entire right, title and interest in and to said invention and said application, and that the same are unencumbered and that he has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

IN WITNESS WHEREOF, ASSIGNOR hereunto sets his hand and seal

this 15th day of SEPTEMBER, 2004.

Inventor(s):

Hiroyuki Manabe
Hiroyuki MANABE

Yumiko Hiraiwa L. S.
Akira HIRAIWA, deceased
by Yumiko HIRAIWA, his heir

Kouki Hayashi
Kouki HAYASHI

Toshiaki Sugimura L. S.
Toshiaki SUGIMURA

Toshio Miki
Toshio MIKI

Witnesses:

Akihiro Higashi
Akihiro HIGASHI

Katsunori Tsunoda
Katsunori TSUNODA