

12-20-2004



102907060

To the Honorable Commissioner of Patents

Secure the attached original documents or copy thereof.

1. Name of conveying party(ies):  
**(1) Sadaoki FURUI**  
**(2) Zhipeng ZHANG**  
**(3) Tsutomu HORIKOSHI**  
**(4) Toshiaki SUGIMURA**



2. Name and address of receiving party(ies)  
Name:  
**(1) Sadaoki FURUI**  
**(2) NTT DoCoMo, Inc.**  
Street Address:  
**(1) 2-36-6, Shinmachi**  
**Setagaya-ku, Tokyo 154-0014**  
**JAPAN**  
**(2) 11-1, Nagatacho 2-chome**  
**Chiyoda-ku, Tokyo 100-6150**  
**JAPAN**

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

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

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: (1-4) August 9, 2004

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 is: .  
A. Patent Application No.(s)  
**10/920,461**

B. Patent Registration No.(s)  
Additional number(s) attached  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: **Crowell & Moring LLP**  
**Intellectual Property Group**  
Internal Address:  
**PO Box 14300**  
**Washington**  
**DC**  
**20044-4300**

6. Total number of applications and patents involved **1**  
7. Total fee (37 CFR 3.41)..... \$40.00  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit account number:  
**05-1323**  
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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.*  
**Herbert I. Cantor, 24,392**  
Name of Person Signing  
  
Signature  
**December 14, 2004**  
Date  
Total number of pages including cover sheet, attachments, and document: **4**

Mail documents to be recorded with required cover sheet information to:  
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P.O. Box 1450, Alexandria, VA 22313-1450

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40.00 DP

ASSIGNMENT

WHEREAS, Sadaoki FURUI, a citizen of Japan, whose address is 2-36-6, Shinmachi, Setagaya-ku, Tokyo 154-0014, Japan, and Zhipeng ZHANG, a citizen of China, Tsutomu HORIKOSHI, and Toshiaki SUGIMURA, citizens of Japan whose address are c/o Intellectual Property Department of NTT DoCoMo, Lnc., SANNO PARK TOWER, 11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 100-6150, Japan, respectively (hereinafter "ASSIGNORS"), have invented certain new and useful improvements in NOISE ADAPTATION SYSTEM OF SPEECH MODEL, NOISE ADAPTATION METHOD, AND NOISE ADAPTATION PROGRAM FOR SPEECH RECOGNITION for which a United States Patent Application is about to be made, and

WHEREAS, Sadaoki FURUI, a citizen of Japan, whose address is 2-36-6, Shinmachi, Setagaya-ku, Tokyo 154-0014, Japan, and NTT DoCoMo, Inc., a corporation organized and existing under and by virtue of the laws of Japan, and having its principal place of business at 11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 100-6150, Japan (hereinafter collectively "ASSIGNEES") are desirous of acquiring all right, title, and interest in and to the aforesaid invention, and in, to, and under any and all Patents to be obtained therefor in the United States and in any foreign country;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS, have and by these presents do hereby sell, assign and transfer unto said ASSIGNEES, their successors and assigns, their entire right, title and interest in and to said invention as described in said United States Patent Application in any form or embodiment thereof in the United States and in and to the aforesaid

patent application, patents, reissues or extensions thereof to be obtained in the United States on said invention, and any divisional, continuation, continuation-in-part, or substitute application 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 said ASSIGNEES.

ASSIGNORS further agree without any payment of ASSIGNEES, other than expenses incurred by ASSIGNORS, to communicate to ASSIGNEES, their 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 ASSIGNORS hereby warrant that, at the time of execution and delivery of this instrument, they are the lawful owners of the entire right, title and interest in and to said invention and said Patent Application, and that the same are unencumbered and that they have good and full right and law full authority to sell and convey the same in the manner herein set forth;

ASSIGNORS hereby grant to the firm of CROWELL & MORING LLP, or any partner thereof, the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the Rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

IN WITNESS WHEREOF, ASSIGNORS have set their hands and seals  
hereunto this 9 day of Aug. 2004.

Inventors:

Sadaoki Furui

Sadaoki FURUI

Zhipeng Zhang

Zhipeng ZHANG

Tsutomu Horikoshi

Tsutomu HORIKOSHI

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Witnesses:

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