



07-22-2002

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Atty Docket No.: 223109US2/pmh



FORM PTO-1595 1-31-92

RECORDATION FORM

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1. Name of conveying party(ies):

Toshiaki TAKAO, Narumi UMEDA and Lan CHEN

07/16/02

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

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

Name: NTT DoCoMo, Inc.

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

3. Nature of Conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

Execution Date: April 30, 2002

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

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)

10/143,927

B. Patent No.(s)

Additional numbers attached? Yes No

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



22850

6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- Enclosed
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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.

Marvin J. Spivak

Name of Person Signing

Registration Number: 24,913

Joseph A. Scafetta, Jr.

Signature

Joseph A. Scafetta, Jr.
Registration No. 26,803

July 16, 2002

Date

Total number of pages including this cover sheet: 3

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PATENT
REEL: 013096 FRAME: 0629

Assignment Of Application

WHEREAS, I (WE) (1) Toshiaki Takao, (2) Narumi Umeda and

(3) Lan Chen, residing at

(1) Yokohama-shi, Kanagawa Japan, (2) Yokohama-shi, Kanagawa Japan and

(3) Yokohama-shi, Kanagawa Japan

INVENTORS' NAMES AND RESIDENCES OF EACH INVENTOR:

_____ , respectively,

INVENTOR'S TITLE OF INVENTION:

have invented certain new and useful improvements in: _____
MOBILE COMMUNICATION SYSTEMS

INVENTOR'S DATE OF SIGNATURE AND DECLARATION:

for which an application for Letters Patent was executed on April 30, 2002
(Application No. 10/143,927 , filed May 14, 2002), and

INVENTOR'S NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE:

WHEREAS, NTT DoCoMo, Inc.
(hereinafter referred to as "ASSIGNEE") having a place of business at: 11-1, Nagatacho
2-chome, Chiyoda-ku, Tokyo 100-6150 Japan ,

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: April 30, 2002

Toshiaki Takao
(Signature of Inventor) Toshiaki Takao

Date: April 30, 2002

Narumi Umeda
(Signature of Inventor) Narumi Umeda

Date: April 30, 2002

Lan Chen
(Signature of Inventor) Lan Chen

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

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