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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Takehiro IKEDA; Ichiro OKAJIMA; and Narumi UMEDA

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

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

Name: NTT DoCoMo, Inc.

Internal Address:

Street Address: 11-1, Nagatacho 2-chome, Chiyoda-kuCity: Tokyo Country: JAPAN ZIP: 100-6150Additional name(s) & address(es) attached?  Yes  No

## 3. Nature of conveyance:

 Assignment Merger Security Agreement Change of Name Other \_\_\_\_\_Execution Date: November 2, 2001

## 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)

10/054,741, filed 11/13/01

## B. Patent No.(s)

Additional numbers attached?  Yes  No

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

BROWN RAYSMAN MILLSTEIN FELDER &amp; STEINER LLP

900 Third Avenue

New York, New York 10022  
(212) 895-20006. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41):..... \$ 40.00 Check enclosed Authorized to be charged to deposit account8. Deposit account number: 02-4270

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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*Ralph F. Hoppin, Reg. No. 38,494

Name of Person Signing

Signature

Date

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

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Box Assignments

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04/02/2002 TBIAZ1 00000231 10054741

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PATENT  
REEL: 012730 FRAME: 0891

**ASSIGNMENT**

WHEREAS, we, 1) Takehiro IKEDA, 2) Ichiro OKAJIMA and  
3) Narumi UMEDA,  
citizens of Japan,

residing at 1) 4-18-4-1101, Nobi, Yokosuka-shi, Kanagawa 239-0841, Japan  
2) 968-12-1-302, Mitsuura-cho, Kanazawa-ku, Yokohama-shi,  
Kanagawa 236-0032, Japan  
3) 6-40-14, Tomiokanishi, Kanazawa-ku, Yokohama-shi,  
Kanawaga 236-0052, Japan

have invented one or more inventions (hereinafter referred to as "said invention(s)")  
disclosed in an application for Letters Patent of the United States titled

**MOBILE COMMUNICATION SYSTEM AND METHOD FOR CONTROLLING  
RECEIVING QUALITY**

(hereinafter referred to as "said application"), said application having been executed on  
even date herewith or filed on 11/13/01 and assigned application  
Serial No. 10/054,741.

WHEREAS, NTT DoCoMo, Inc., (hereinafter together with its successors and  
assigns referred to as "the Assignee"), a Japanese corporation, having a place of business  
at 11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 100-6150, Japan is desirous of obtaining  
all right, title and interest in, to and under said invention(s) and said application; and

NOW, THEREFORE, for good and valuable considerations, the receipt and  
sufficiency of which we hereby acknowledge, we have sold, assigned, transferred and set  
over, and by these presents hereby sell, assign, transfer and set over to the Assignee all  
right, title and interest in, to and under said invention(s) and said application, including  
the right to apply for any Letters Patent of the United States of America and in any and all  
foreign countries on said invention(s), and any and all other applications for Letters Patent  
on said invention(s), in whatsoever countries, including all divisional, renewal, substitute,  
continuation, continuation-in-part and convention applications based in whole or in part  
upon said invention(s) or upon said application, and any and all Letters Patent which may  
issue thereon in the United States and foreign countries, and any and all reissues,  
extensions, renewals, divisions, continuations or continuations-in-part of Letters Patent  
granted for said invention(s) or upon said applications, to the full term or terms for which  
said Letters Patent may be issued, and every priority right that is or may be predicated  
upon or arise from said invention(s), said application and said Letters Patent, the same to  
be held and enjoyed by the Assignee for its own use and benefit fully and entirely as if the  
same would have been held and enjoyed by us had this Assignment not been made. We  
hereby authorize the Assignee to file patent applications in any and all countries on any or  
all of said invention(s) in our names, or in its name, or otherwise as the Assignee may deem  
advisable, under the International Convention or otherwise.

We hereby authorize the Commissioner of Patents and Trademarks of the  
United States, and any official of any other country empowered to issue patents, to record  
this Assignment, and to issue or transfer all said Letters Patent on said invention(s) to the  
Assignee as owner of all right, title and interest therein, or otherwise as the Assignee may  
direct, in accordance with the terms of this Assignment.

We hereby represent and warrant that we have the full right to convey the entire right and interest herein assigned, that there are no rights or interests outstanding inconsistent with the rights and interests granted herein, and that we will not execute any instrument or grant or transfer any rights or interests inconsistent with the rights and interests granted herein.

We hereby covenant and agree that we will, upon request of the Assignee, communicate to the Assignee any facts known to us relating to said invention(s) and the history thereof, testify in any legal proceeding, execute all lawful papers including without limitation all divisional, continuing and reissue applications and all rightful oaths and declarations, and generally do all further acts which may be deemed necessary by the Assignee to obtain and enforce proper patent protection for said invention(s) in all countries.

IN TESTIMONY WHEREOF, we have executed this document on the date indicated below.

Date: November 2, 2001

Takehiro Ikeda  
(Signature) Takehiro IKEDA

Date: November 2, 2001

Ichiro Okajima  
(Signature) Ichiro OKAJIMA

Date: November 2, 2001

Narumi Umeda  
(Signature) Narumi UMEDA