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Attorney Docket No. 2270/51391

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Toshiyuki FUTAKATA and
Sung Uk MOON

18-23-02

Additional name(s) of conveying
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☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: NTT DoCoMo, Inc.
11-1, Nagatacho 2-chome
Chiyoda-ku, Tokyo 100-6150
JAPAN

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
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Execution Date: July 18, 2002=

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of
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A. Patent Application No. (s)
10/201,305

B. Patent No(s).

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5. Name and address of party to whom
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6. Total number of applications and patents
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PATENT
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ASSIGNMENT

WHEREAS, Toshiyuki FUTAKATA and Sung Uk MOON,
citizen(s) of JAPAN whose address(es) is (are) both of them same as 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
MOBILE COMMUNICATION SYSTEM, BASE STATION APPARATUS, AND METHOD OF CONTROLLING MOBILE
COMMUNICATION SYSTEM

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 18 day of 7, 2002

Inventors:

Toshiyuki Futakata
Toshiyuki FUTAKATA

Sung Uk Moon L.S.
Sung Uk MOON

Witnesses:

Hiromi Sudo
Hiromi SUDO

Takeyuki Nagura
Takeyuki NAGURA