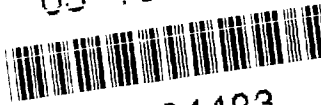


Attorney Docket No. 020242

03-10-2003

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3-503

Conveyance type: Assignment Security Agreement
 License Change of name
 Merger Other _____

Conveying Party (ies): (Last, First, Middle Initial) Execution Date

First party Name: KDDI R&D Laboratories Inc. February 27, 2003

Second party Name:

Third party Name:

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

Receiving Party (ies):

First party Name: KDDI Corporation

Address: 3-2, Nishi-shinjuku 2-chome, Shinjuku-ku, Tokyo, Japan

Second party Name:

Address:

10043508

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

Domestic Representative Name and Address



Armstrong, Westerman & Hattori, LLP
Suite 1000, 1725 K Street
Washington, D.C. 20006

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PATENT TRADEMARK OFFICE

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Pages Enter the total number of pages of the attached conveyance document: 1
(including any attachments, but not counting cover sheets)

Application Number(s) or Patent Number(s) Additional numbers attached? Yes No

A. Patent Application No.(s) B. Patent No.(s)

10/083,508

If this document is being filed together with a new application, enter the date the application was signed by the first named executing inventor: _____
(Do not recite both application and patent numbers.)

Patent Cooperation Treaty (PCT)

Enter PCT application number only if

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Number of Properties Enter the total number of properties involved: 1

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41)..... \$40.00

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Authorized to be charged to Deposit Account No.: 01-2340

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.

William L. Brooks
Name of Person Signing

William L. Brooks
Signature

March 5, 2003
Date

34,129
Registration No.

ASSIGNMENT

WHEREAS, KDDI R&D Laboratories Inc. (hereinafter referred to as "ASSIGNOR"), a corporation duly organized under the laws of Japan, having an office and place of business at 1-15, Ohara 2-chome, Kamifukuoka-shi, Saitama, Japan, is the owner of the entire right, title and interest in United States Letters Patent Application Serial No. 10/083,508, filed February 27, 2002, by virtue of an assignment recorded in the United States Patent and Trademark Office on February 27, 2002 at reel 012643, frame 0227;

WHEREAS, KDDI Corporation (hereinafter referred to as "ASSIGNEE"), a corporation duly organized under the laws of Japan, having an office and place of business at 3-2, Nishi-shinjuku 2-chome, Shinjuku-ku, Tokyo, Japan, is desirous of acquiring an interest in said Letters Patent;

Now THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE its entire interest in said Letters Patent.

KDDI R&D Laboratories Inc.

Date: February 27, 2003

By:



Name: Tohru ASAMI

Title: President, Chief Executive Officer