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FORM PTO-1595 (Rev. 10/02) OMD No. 0651-0011 (exp. 6/30/2005) Record

DEPARTMENT OF COMMERCE Patent and Trademark Office

10-7-05

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

1. Name of conveying party(ies): Zulfikar Ramzan; Craig Gentry; David Molnar
Additional name(s) of conveying party(ies) attached? [X] No [] Yes

2. Name and address of receiving party(ies): Name: DoCoMo Communications Laboratories USA, Inc. Internal Address: Street Address: 181 Metro Drive, Suite 300 City: San Jose State: CA Zip: 95110 Country: United States
Additional name(s) & address(es) attached? [X] No [] Yes

3. Nature of Conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other
Execution Date: 9/16/2005 & 10/1/2005

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) 11/215,550 B. Patent No.(s)
Additional numbers attached? [X] No [] Yes

6. Total number of applications and patents involved: 1
7. Total Fee (37 CFR 3.41).....\$ 40.00 [X] Enclosed [] Authorized to be charged to deposit account
8. Deposit Account Number: 02-2666 (Attach duplicate copy of this page if paying by deposit account)

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Blakely, Sokoloff, Taylor & Zafman LLP Internal Address: Street Address: 12400 Wilshire Boulevard 7th Floor City: Los Angeles State: CA ZIP: 90025

DO NOT USE THIS SPACE

9. Statement and signature. To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

Michael J. Mallie Name of Person Signing Signature Date October 5, 2005

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

10/13/2005 ECOOPER 00000058 11215530 Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the US Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450 01 FC:8021 40.00 DP

Docket No. 6655P074

PATENT REEL: 017071 FRAME: 0294

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

Zulfikar Ramzan; Craig Gentry; David Molnar

hereby sell, assign, and transfer to:

DoCoMo Communications Laboratories USA, Inc.

a Corporation of Delaware, having a principal place of business at 181 Metro Drive, Suite 300, San Jose, California 95110 United States ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent filed on August 29, 2005, and assigned Application No. 11/215,550 and is entitled:

Provisional Signature Schemes

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, power of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

9/16/05 [Signature]
Date Name: **Zulfiqar Ramzan**

9/14/05 [Signature]
Date Name: **Craig Gentry**

10/1/05 [Signature]
Date Name: **David Molnar**

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Assignment Document Return Address:
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