11-23-2005

2005 KM 21 AM 8: 118 - 7.193	124182 Attorney Docket No.: _6655.G006		
To the District of the United States Patent and Trademark Office	ce. Please record the attached original documents or copy thereof.		
Name of conveying party(ies):	Name and address of receiving party(ies):		
DoCoMo Communications Laboratories USA, Inc.	Name: NTT DoCoMo, Inc.		
Additional name(s) of conveying party(ies) attached? ■ No □Yes	Internal Address:		
3. Nature of Conveyance	Street Address: Sanno Park Tower, 11-1, Nagata- cho, 2-chome, Chiyoda-ku		
■ Assignment			
☐ Security Agreement ☐ Change of Name	City: Tokyo State/Provence: Zip: 100-6150		
☐ Other:	Country: Japan		
Execution Date(s): <u>11/7/2005</u>	Additional name(s) & address(es) attached? ☐ Yes ■ No		
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) 10/469,630; 10/542,799	B. Patent No.(s		
Additional numbers a	attached? ☐ Yes ■ No		
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 2		
Name: Blakely, Sokoloff, Taylor & Zafman LLP Internal Address: Street Address: 12400 Wilshire Bouleyard, 7 th Floor	7. Total Fee (37 CFR 3.41)\$_80.00_ ■ Enclosed □ Authorized to be charged to deposit account		
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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.			
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Michael J. Mallie	11/15/55		
Name of Person Signing Signature			
Total number of pages including cover sheet, attachments, and documents: . 3			

Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, Virginia 22313-1450

Based on Form PTO-1595 as modified by BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP on 05/09/03

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> **PATENT** REEL: 017250 FRAME: 0329

ASSIGNMENT OF U.S. PATENT APPLICATION

For good and valuable consideration, the receipt of which is hereby acknowledged, DoCoMo Communications Laboratories USA, Inc., a corporation of Delaware, (the "Assignor") having a place of business at 181 Metro Drive, Suite 300, San Jose, California 95110, hereby sells, assigns, and transfers to NTT DoCoMo, Inc., a corporation of Japan, having a principal place of business at Sanno Park Tower, 11-1, Nagata-cho, 2-chome, Chiyoda-ku, Tokyo 100-6150, Japan, (the "Assignee"), its successors and assigns the entire right, title and interest throughout the world in the inventions, discoveries, improvements, or designs in patent application that are listed on Schedule A attached hereto, and in and to all patent applications and letters patents (including, but not limited to, utility patents, design patents, utility models, inventor certificates, and applications thereof) of every country for such inventions, discoveries, improvements, or designs including all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application.

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

Assignor covenants 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 possess by the undersigned.

The Assignor hereby requests the Commissioner for Patents and Trademarks to issue all patents granted for such inventions, discoveries, improvements, or designs to the Assignee, its successors and assigns.

Executed this 7th day of November, 2005

DoCoMo Communications Laboratories USA, Inc.

A corporation of Delaware

Print Title: President & CEO

Assignment Document Return Address: BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP 12400 Wilshire Blvd., Seventh Floor Los Angeles, California 90025-1026 (408) 720-8300

PATENT REEL: 017250 FRAME: 0330

SCHEDULE A

Title	Inventor(s)	Application No.
System and Method for Arithmetic Encoding and Decoding	Frank Bossen	10/469,630
Method and Apparatus for Efficient Certificate Revocation	Craig B. Gentry, Zulfikar Amin Ramzan	10/542,799

PATENT
RECORDED: 11/21/2005 REEL: 017250 FRAME: 0331