

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DoCoMo Communications Laboratories USA, Inc.	12/04/2007
RECEIVING PARTY DATA	
Name:	NTT DoCoMo Inc.
Street Address:	Sanno Park Tower, 11-1, Nagata-cho
Internal Address:	2-chome, Chiyoda-Ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	100-6150
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11930600
CORRESPONDENCE DATA	
Fax Number:	(408)392-9262
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(408) 392-9250
Email:	jha@macpherson-kwok.com
Correspondent Name:	Edward C. Kwok
Address Line 1:	MacPherson Kwok Chen & Heid LLP
Address Line 2:	2033 Gateway Place, Suite 400
Address Line 4:	San Jose, CALIFORNIA 95110
ATTORNEY DOCKET NUMBER:	M-16898 US
NAME OF SUBMITTER:	Edward C. Kwok
Total Attachments: 1 source=2jh#page1.tif	

CH \$40.00 11930600

500416617

PATENT
REEL: 020223 FRAME: 0688

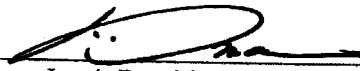
Attorney Docket No.: M-16898 US

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, DoCoMo Communications Laboratories USA, Inc. ("Assignor"), hereby sells, assigns and transfers to **NTT DoCoMo Inc.** ("Assignee"), having a place of business at Sanno Park Tower, 11-1, Nagata-cho, 2-chome, Chiyoda-Ku, Tokyo 100-6150, Japan, its successors and assigns, the Assignor's entire right, title and interest throughout the world in the inventions described in the U.S. patent application no. **11/930,600** filed on October 31, 2007, entitled "**UPLINK MULTIPLE-INPUT-MULTIPLE-OUTPUT (MIMO) AND COOPERATIVE MIMO TRANSMISSIONS**", and all patent applications and patents of every country for said inventions, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; the Assignor authorizes the Assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from the Assignor; and agrees to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said Assignee, its successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said inventions in all countries; and requests that the United States Patent and Trademark Office issue all patents granted for said inventions to Assignee, its successors and assigns.

Executed this 4th day of December, 2007.

DoCoMo Communications Laboratories USA, Inc.



Kazuo Imai, President & CEO