

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Ismail Guvenc</td><td>11/26/2007</td></tr><tr><td>Moo Ryong Jeong</td><td>12/03/2007</td></tr></tbody></table>	Name	Execution Date	Ismail Guvenc	11/26/2007	Moo Ryong Jeong	12/03/2007	
Name	Execution Date						
Ismail Guvenc	11/26/2007						
Moo Ryong Jeong	12/03/2007						
RECEIVING PARTY DATA							
Name:	DoCoMo Communications Laboratories USA, Inc.						
Street Address:	3240 Hillview Avenue						
City:	Palo Alto						
State/Country:	CALIFORNIA						
Postal Code:	94304-1201						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11930600</td></tr></tbody></table>	Property Type	Number	Application Number:	11930600			
Property Type	Number						
Application Number:	11930600						
CORRESPONDENCE DATA							
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Total Attachments: 1 source=1jh#page1.tif							

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REEL: 020223 FRAME: 0613

Attorney Docket No.: M-16898 US

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we


Ismail Guvenc of Santa Clara, California
Moo Ryong Jeong of Saratoga, California

hereby sell, assign and transfer to **DoCoMo Communications Laboratories USA, Inc.**, a Delaware corporation, having a place of business at 3240 Hillview Avenue, Palo Alto, CA 94304-1201, its successors and assigns, the entire right, title and interest throughout the world in our invention in

UPLINK MULTIPLE-INPUT-MULTIPLE-OUTPUT (MIMO) AND COOPERATIVE MIMO TRANSMISSIONS

for which we filed a United States patent application on October 31, 2007 which now has Serial No. 11/930,600 and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree 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 invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 26 day of November, 2007.


Ismail Guvenc

Executed this 3 day of December, 2007.


Moo Ryong Jeong