

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Chia-Chin Chong</td> <td>12/08/2008</td> </tr> <tr> <td>Hlaing Minn</td> <td>12/19/2008</td> </tr> <tr> <td>Fujio Watanabe</td> <td>12/13/2008</td> </tr> <tr> <td>Hiroshi Inamura</td> <td>12/19/2008</td> </tr> </tbody> </table>		Name	Execution Date	Chia-Chin Chong	12/08/2008	Hlaing Minn	12/19/2008	Fujio Watanabe	12/13/2008	Hiroshi Inamura	12/19/2008
Name	Execution Date										
Chia-Chin Chong	12/08/2008										
Hlaing Minn	12/19/2008										
Fujio Watanabe	12/13/2008										
Hiroshi Inamura	12/19/2008										
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" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12277110</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12277110						
Property Type	Number										
Application Number:	12277110										
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:	Haynes and Boone, LLP										
Address Line 2:	2033 Gateway Place, Suite 400										
Address Line 4:	San Jose, CALIFORNIA 95110										
ATTORNEY DOCKET NUMBER:	M-17175 US										
NAME OF SUBMITTER:	Edward C. Kwok										
Total Attachments: 1											

CH \$40.00 12277110

ASSIGNMENT

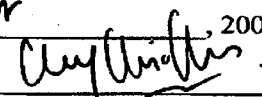
For good and valuable consideration, receipt of which is hereby acknowledged, we


Chia-Chin Chong of Santa Clara, California
Hlaing Minn of Richardson, Texas
Fujio Watanabe of Union City, California
Hiroshi Inamura of Cupertino, 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

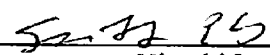
A METHOD OF RANGING SIGNAL DESIGN AND TRANSMISSION FOR MIMO-OFDMA INITIAL RANGING PROCESS

for which we filed a United States patent application on November 24, 2008 which now has Serial No. 12/277,110 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 8 day of December, 2008.

Chia-Chin Chong

Executed this 11 day of December, 2008.

Hlaing Minn

Executed this 13 day of December, 2008.

Fujio Watanabe

Executed this 18 day of January ~~December~~, 2008.

Hiroshi Inamura