PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Andreas Dotzler	08/12/2011
Christian Guthy	08/12/2011
Wolfgang Utschick	08/12/2011
Guido Dietl	08/18/2011

RECEIVING PARTY DATA

Name:	NTT DOCOMO, Inc.	
Street Address:	11-1, Nagatacho 2-chome,	
Internal Address:	SANNO PARK TOWER	
City:	Chiyoda-ku, Tokyo	
State/Country:	JAPAN	
Postal Code:	100-6150	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13185987

CORRESPONDENCE DATA

Fax Number: (312)321-4299

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 3123214200

Email:nfolkman@usebrinks.comCorrespondent Name:Tadashi Horie/Naoko FolkmanAddress Line 1:Brinks Hofer Gilson & Lione

Address Line 2: P.O. Box 10395

Address Line 4: Chicago, ILLINOIS 60610

ATTORNEY DOCKET NUMBER:	10745/299
NAME OF SUBMITTER:	Tadashi Horie

Total Attachments: 2

source=10745-299AssignmentAsFiled#page1.tif source=10745-299AssignmentAsFiled#page2.tif

\$40.00

PATENT REEL: 026791 FRAME: 0829

ASSIGNMENT

WHEREAS, Andreas DOTZLER, Christian GUTHY, Wolfgang UTSCHICK, and Guido DIETL, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled APPARATUS AND METHOD FOR CALCULATING RECEIVE PARAMETERS FOR AN MIMO SYSTEM, for a full description of which reference is here made to an application for Letters Patent of the United States filed on July 19, 2011 and assigned Application Serial No. 13/185,987;

WHEREAS, <u>NTT DOCOMO</u>, <u>Inc.</u>, a corporation organized and existing under the laws of <u>Japan</u>, having a place of business at <u>Sanno Park Tower</u>, <u>11-1</u>, <u>Nagatacho 2-chome</u>, <u>Chiyoda-ku</u>, <u>Tokyo 100-6150 Japan</u>, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and

-1-

PATENT REEL: 026791 FRAME: 0830 patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATE:	12.08. M	Andreas Doklar
WITNESSED:		Ándreas DOTZLER
DATE:		
DATE:		
DATE:	12.08.11	Orina July
WITNESSED:		Christian GUTHY
DATE:		
DATE:		
DATE:	12. Aug. 11	Wolfgang UTSCHICK
WITNESSED:		wongang of schick
DATE:		
DATE:		
DATE:	18.08.20M	Quido Wiet
WITNESSED:		Guide DIETL
DATE:		<u>U</u>
DATE:		