

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

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>Kunihiro KAWAI</td><td>08/20/2011</td></tr><tr><td>Hiroshi OKAZAKI</td><td>08/20/2011</td></tr><tr><td>Shoichi NARAHASHI</td><td>08/20/2011</td></tr></tbody></table>	Name	Execution Date	Kunihiro KAWAI	08/20/2011	Hiroshi OKAZAKI	08/20/2011	Shoichi NARAHASHI	08/20/2011	
Name	Execution Date								
Kunihiro KAWAI	08/20/2011								
Hiroshi OKAZAKI	08/20/2011								
Shoichi NARAHASHI	08/20/2011								
RECEIVING PARTY DATA									
Name:	NTT DOCOMO, Inc.								
Street Address:	11-1, Nagatacho 2-chome, Chiyoda-ku								
City:	Tokyo								
State/Country:	JAPAN								
Postal Code:	100-6150								
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>13216442</td></tr></tbody></table>	Property Type	Number	Application Number:	13216442					
Property Type	Number								
Application Number:	13216442								
CORRESPONDENCE DATA									
Fax Number:	(703)413-2220								
Phone:	(703) 413-3000								
Email:	mkassaye@oblon.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Oblon, Spivak, et al.								
Address Line 1:	1940 Duke Street								
Address Line 4:	Alexandria, VIRGINIA 22314								
ATTORNEY DOCKET NUMBER:	385307US8								
NAME OF SUBMITTER:	Mesfin Kassaye								
Total Attachments: 2 source=385307USASSIGNMENT#page1.tif source=385307USASSIGNMENT#page2.tif									

OP \$40.00 13216442

Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS

WHEREAS, I (WE) Kunihiro KAWAI of Yokohama-shi, Kanagawa, JAPAN

Hiroshi OKAZAKI of Zushi-shi, Kanagawa, JAPAN and

Shoichi NARAHASHI of Yokohama-shi, Kanagawa, JAPAN

, respectively,

INSERT TITLE OF
INVENTION

have invented certain new and useful improvements in: MULTIMODE FRONTEND CIRCUIT

(Application No. 13/216,442, filed August 24, 2011), and

WHEREAS, NTT DOCOMO, INC.

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

(hereinafter referred to as "ASSIGNEES") having places of business at: 11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 100-6150 Japan, respectively are desirous of jointly acquiring interests in the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEES, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the assignees of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEES or their representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: Aug 20th, 2011

Kunihiro Kawai
(Signature of Inventor) Kunihiro KAWAI

Date: Aug 20th, 2011

Hiroshi Okazaki
(Signature of Inventor) Hiroshi OKAZAKI

Date: Aug 20th, 2011

Shoichi Narahashi
(Signature of Inventor) Shoichi NARAHASHI

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314