## PATENT ASSIGNMENT

## Electronic Version v1.1 Stylesheet Version v1.1

Name:       Fujitsu Limited         Street Address:       1-1, Kamikodanaka 4-Chome         Internal Address:       Nakahara-ku, Kawasaki-shi         City:       Kanagawa         State/Country:       JAPAN         Postal Code:       211-8588         PROPERTY NUMBERS Total: 1       1         Property Type       12615310	Execution Date         11/06/2009         11/06/2009         11/06/2009         11/06/2009         11/06/2009
Name         Olga I. Vassilieva         Richard L. Colter         Daniel Bihon         Paparao Palacharla         RECEIVING PARTY DATA         Name:         Fujitsu Limited         Street Address:         1-1, Kamikodanaka 4-Chome         Internal Address:         Nakahara-ku, Kawasaki-shi         City:         Kanagawa         State/Country:         JAPAN         Postal Code:         211-8588         PROPERTY NUMBERS Total: 1         Property Type         Application Number:         12615310	11/06/2009 11/06/2009 11/06/2009 11/06/2009
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Daniel Bihon   Paparao Palacharla   RECEIVING PARTY DATA   Name: Fujitsu Limited   Street Address: 1-1, Kamikodanaka 4-Chome   Internal Address: Nakahara-ku, Kawasaki-shi   City: Kanagawa   State/Country: JAPAN   Postal Code: 211-8588   PROPERTY NUMBERS Total: 1   Property Type   Application Number: 12615310	
Paparao Palacharla         RECEIVING PARTY DATA         Name:       Fujitsu Limited         Street Address:       1-1, Kamikodanaka 4-Chome         Internal Address:       Nakahara-ku, Kawasaki-shi         City:       Kanagawa         State/Country:       JAPAN         Postal Code:       211-8588         PROPERTY NUMBERS Total: 1       1         Property Type       12615310	
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PROPERTY NUMBERS Total: 1 Property Type Application Number: 12615310	
Property Type       Application Number:	Number
CORRESPONDENCE DATA	
	, 
Fax Number:(214)661-4613Correspondence will be sent via US Mail when the fax attempt is aPhone:214.953.6509Email:laurie.scott@bakerbotts.comCorrespondent Name:BARTON E. SHOWALTERAddress Line 1:2001 ROSS AVENUE, SUITE 600Address Line 2:BAKER BOTTS L.L.P.Address Line 4:DALLAS, TEXAS 75201-2980	unsuccessful.
ATTORNEY DOCKET NUMBER: 064731.0760	
NAME OF SUBMITTER: Laurie Scott	

Total Attachments: 5	
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ASSIGNMENT

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#### ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

WHEREAS, Fujitsu Limited (hereinafter referred to as "Assignee"), with an address of 1-1, Kamikodanaka 4-Chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588, Japan, desires to acquire my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One United States Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to Assignee.

We also assign to Assignee, all right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

We will communicate to Assignee any facts known to us respecting any improvements; and, at the expense of Assignee, we will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

DAL01:1102480.1

ATTORNEY DOCKET NO. 064731.0760

ASSIGNMENT

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Title:

Reducing Cross-Phase Modulation Using Group Delay

Bacced -

Olga I. Vassilieva

Plano, Collin County, Texas

11/06/09

Signature of Inventor: Inventor's Name:

Residence (City, County, State)

Date:

DAL01:1102480.1

PATENT REEL: 023493 FRAME: 0577

ASSIGNMENT

#### ATTORNEY DOCKET NO. 064731.0760

Signature of Inventor: Inventor's Name:

Residence (City, County, State)

Title:

Date:

Reducing Cross-Phase Modulation Using Group Delay

Richard L. Colter

3

Dallas, Dallas County, Texas

11/6/09 

DAL01:1102480.1

PATENT REEL: 023493 FRAME: 0578

ASSIGNMENT

### ATTORNEY DOCKET NO. 064731.0760

Title:

Reducing Cross-Phase Modulation Using Group Delay

\_\_\_\_\_ Daniel Bihon/

Plano, Collin County, Texas

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11/06/09 \_\_\_\_\_

I me.

Signature of Inventor: Inventor's Name:

Residence (City, County, State)

Date:

DAL01:1102480.1

PATENT REEL: 023493 FRAME: 0579 ATTORNEY DOCKET NO. 064731.0760

ASSIGNMENT

5

Title:

Reducing Cross-Phase Modulation Using Group Delay

Paparao Palacharla

Richardson, Dallas County, Texas

06/09

Signature of Inventor: Inventor's Name:

Residence (City, County, State)

Date:

DAL01:1102480.1