

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 style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Eko Onggosanusi</td> <td>06/29/2010</td> </tr> <tr> <td>Tarik Muharemovic</td> <td>04/15/2010</td> </tr> <tr> <td>Anthony Ekpenyong</td> <td>04/19/2010</td> </tr> <tr> <td>Zukang Shen</td> <td>05/18/2010</td> </tr> </tbody> </table>		Name	Execution Date	Eko Onggosanusi	06/29/2010	Tarik Muharemovic	04/15/2010	Anthony Ekpenyong	04/19/2010	Zukang Shen	05/18/2010		
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RECEIVING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Texas Instruments Incorporated</td> </tr> <tr> <td>Street Address:</td> <td>7839 Churchill Way</td> </tr> <tr> <td>Internal Address:</td> <td>M/S 3999</td> </tr> <tr> <td>City:</td> <td>Dallas</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>75251</td> </tr> </table>		Name:	Texas Instruments Incorporated	Street Address:	7839 Churchill Way	Internal Address:	M/S 3999	City:	Dallas	State/Country:	TEXAS	Postal Code:	75251
Name:	Texas Instruments Incorporated												
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
<p>Fax Number: (972)917-4418 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 9729175290 Email: g-sansom@ti.com Correspondent Name: Texas Instruments Incorporated Address Line 1: 7839 Churchill Way Address Line 2: M/S 3999 Address Line 4: Dallas, TEXAS 75251</p>													
ATTORNEY DOCKET NUMBER:	TI-67543												
NAME OF SUBMITTER:	Robert D. Marshall, Jr.												

CH \$40.00 12683304

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PATENT
REEL: 024674 FRAME: 0004

Total Attachments: 8

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Application No. 12/683,304

Attorney Docket No. TI-67543

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,

WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 7839 Churchill Way, M/S 3999, Dallas, Texas 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon, as well as to U.S. Provisional Application No(s) 61/142,274, filed 01/06/2009,

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign unto the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in and to the said application(s) and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof, and I hereby authorize and request the Patent and Trademark Office to issue all patents for said invention, or patents resulting therefrom, to the said TEXAS INSTRUMENTS INCORPORATED, as assignee of my entire right, title and interest.


I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my corresponding rights to the invention disclosed in said application in all other countries of the world, including the right to claim priority, file applications and obtain patents under the terms of the Paris Convention for the Protection of Industrial Property, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such rights.

I hereby further agree that I will communicate to said TEXAS INSTRUMENTS INCORPORATED, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisions, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said TEXAS INSTRUMENTS INCORPORATED, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

I authorize the later insertion of the nonprovisional application number and filing date hereinbelow.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

TITLE	Predecoding for Joint Processing Coordinated Multi-Point Transmission		
NONPROVISIONAL APPLICATION NO.	12/683,304	FILING DATE	01/06/2010

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Eko Onggosanusi
DATE	06/29/2010
RESIDENCE (CITY AND STATE)	Allen, TX

Application No. 12/683,304

Attorney Docket No. TI-67543

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Tarik Muharemovic
DATE	
RESIDENCE (CITY AND STATE)	Dallas, TX

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Anthony Ekponyosa
DATE	
RESIDENCE (CITY AND STATE)	Dallas, TX

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Zukang Shen
DATE	
RESIDENCE (CITY AND STATE)	Richardson, TX

After recording, return Assignment to:

Texas Instruments Incorporated
PO Box 655474, M/S 3999
Dallas, TX 75265

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Attorney Docket No. TI-67543

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NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign unto the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in and to the said application(s) and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Patent and Trademark Office to issue all patents for said invention, or patents resulting therefrom, to the said TEXAS INSTRUMENTS INCORPORATED, as assignee of my entire right, title and interest.

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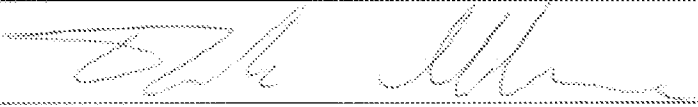
SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Eko Onggosanusi
DATE	
RESIDENCE (CITY AND STATE)	Allen, TX

Assignment From Inventor (US 9/1/09)

PATENT
REEL: 024674 FRAME: 0008

Application No. 12/683,304

Attorney Docket No. TI-67543

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Tarik Muharemovic
DATE	04/15/2010
RESIDENCE (CITY AND STATE)	Dallas, TX

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Anthony Ekpenyong
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RESIDENCE (CITY AND STATE)	Dallas, TX

SIGNATURE OF INVENTOR	
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RESIDENCE (CITY AND STATE)	Richardson, TX

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PO Box 655474, M/S 3999
Dallas, TX 75265

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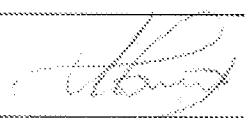
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Application No. 12/683,304

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PRINTED NAME OF INVENTOR	Tarik Muharemovic
DATE	
RESIDENCE (CITY AND STATE)	Dallas, TX

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Anthony Ekpenyong
DATE	4/19/10
RESIDENCE (CITY AND STATE)	Dallas, TX

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Zukang Shen
DATE	
RESIDENCE (CITY AND STATE)	Richardson, TX

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Assignment From Inventor (US 9/1/09)


PATENT
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PRINTED NAME OF INVENTOR	Tarik Muharemovic
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PRINTED NAME OF INVENTOR	Anthony Ekpenyong
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RESIDENCE (CITY AND STATE)	Dallas, TX

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Zukang Shen
DATE	05/18/2010
RESIDENCE (CITY AND STATE)	Richardson, TX

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PO Box 655474, M/S 3999
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PATENT

RECORDED: 07/13/2010

REEL: 024674 FRAME: 0013