PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Timothy MOULSLEY	03/07/2013
Hui XIAO	02/28/2013
Luciano Pietro Giacomo SARPERI	03/04/2013

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	Number
Application Number:	13765258

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	FJHL 4137
NAME OF SUBMITTER:	Brian S. Myers

Total Attachments: 2

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WHEREAS, the below named inventor(s), ASSIGNOR, has made a certain new and useful invention in a CHANNEL STATE FEEDBACK FOR MULTI-CELL MIMO, for which an application as (a) U.S. Serial No. 13/765,258 and was filed on (b) February 12, 2013. Assignee's Attorney is hereby authorized to insert in (a) or (b) the specified data, when known.

WHEREAS, FUJITSU LIMITED having an address at 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588, Japan, ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filled for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable, and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument; and

ASSIGNOR covenants and agrees that he has full right to convey the entire interest herein assigned, and has not executed, and will not execute, any agreement in conflict herewith: and

ASSIGNOR further covenants and agrees that he will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

Inventor's signature:	TSML	Date:	3/17
Residence: Caterham, Ur	nited Kingdom	Citizenship	o: <u>G8</u>
Post office address: 2 Wi	hyteleafe Road, Caterham Surrey (CXR3 5EE, United Kingdom	
Full name of second inve	ntor: Hui XIAO		
Full name of second inver		Date: 2성 fe	62613
	intri	Date: _ ごろ fe Citizenship	
Inventor's signature: Residence: West Draytor	intri	Citizenship	

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Attorney Docket FJHL 4137

Full name of third inventor: Luciano Pietro Giacomo SARPERI				
Inventor's signature:	Date:	04 Mo	wch.	2043
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RECORDED: 03/08/2013