

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SALVADOR IRANZO MOLINERO	06/04/2012
RECEIVING PARTY DATA	
Name:	MARVELL HISPANIA SL
Street Address:	EUROPARK BUILDING, C/NARCIS MONTURIOL ESTARRIOL 11D, PARQUE TECNOLOGICO, PATERNA
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Postal Code:	46980
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13490026
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	MP4169
NAME OF SUBMITTER:	HORACE NG
Signature:	/HORACE NG/
Date:	04/23/2013
Total Attachments: 2 source=MP4169_EXECUTED ASSIGNMENT INV TO MHSL#page1.tif source=MP4169_EXECUTED ASSIGNMENT INV TO MHSL#page2.tif	

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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned,

Salvador Iranzo Molinero

who have created a certain invention for which an application for United States Letters Patent was executed by me concurrently herewith and entitled:

**SYSTEMS AND METHODS FOR COMPRESSED FEEDBACK AND SUBCARRIER
GROUPING FOR BEAMFORMING**

Do hereby sell, assign and transfer to Marvell Hispania SL, a corporation of Spain, having a place of business at Europark Building, C/ Narcis Monturiol Estarriol 11D, Parque Tecnológico, Paterna 46980, Valencia, Spain, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and 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, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Do hereby further sell, assign and transfer to Marvell Hispania SL, its successors, assigns, and legal representatives, the full and exclusive right to United States Provisional Patent Applications(s) No(s). 61/494,357, filed June 7, 2011, entitled, SVD AND COMPRESSED FB FOR 2X2 MIMO; 61/497,318, filed June 15, 2011 entitled, SVD AND COMPRESSED FB FOR 2X2 MIMO; and 61/507,907, filed July 14, 2011 entitled SUBCARRIER GROUPING OF PRECODING (BEAMFORMING) INFORMATION IN MIMO-OFDM COMMUNICATION SYSTEMS WITH CYCLIC SHIFT, and to any and all inventions described in said provisional patent application(s) for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be entitled to the benefit thereof in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

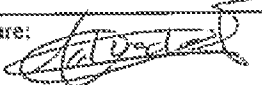
Agree that Marvell Hispania SL, hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

IN TESTIMONY WHEREOF I have hereunto set MY signature on the date indicated below.

Docket#: MP4169

PATENT

Full Name of Inventor: Salvador Iranzo Molinero	
Inventor's Signature: 	Date: Month/Day/Year 06/04/2012