

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Reza Jalilizeinali	08/26/2008
Sreeker Dundigal	08/25/2008
Vivek Mohan	08/25/2008
Thomas R. Toms	08/27/2008
RECEIVING PARTY DATA	
Name:	QUALCOMM Incorporated
Street Address:	5775 Morehouse Drive
Internal Address:	Patent Department
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121-1714
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12182454
CORRESPONDENCE DATA	
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Address Line 2:	Patent Department
Address Line 4:	San Diego, CALIFORNIA 92121-1714
ATTORNEY DOCKET NUMBER:	081177
NAME OF SUBMITTER:	Nicholas J. Pauley

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PATENT
REEL: 021482 FRAME: 0180

Total Attachments: 3

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PATENT

REEL: 021482 FRAME: 0181

ASSIGNMENT

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to me in hand paid, receipt of which is hereby acknowledged, be it known that I,

Reza Jalilizeinali, a citizen of the United States, having a place of residence at 1352 Enchante Way, Oceanside, CA 92056

Sreeker Dundigal, a citizen of India, having a place of residence at 8730 Costa Verde Blvd., Apt. # 2222, San Diego, CA 92122

Vivek Mohan, a citizen of the United States, having a place of residence at 11756 Springside Road, San Diego, CA 92128

Thomas R. Toms, a citizen of the United States, having a place of residence at 741 Butler Ranch Road, Dripping Springs, TX 78620

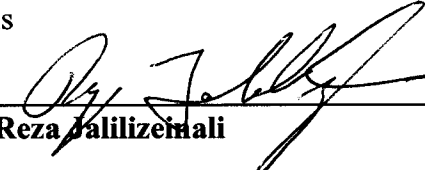
have sold, assigned and transferred and, by these presents, do sell, assign, transfer and set over unto **QUALCOMM Incorporated**, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the whole right, title and interest in and to a certain invention relating to:

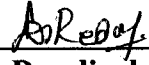
Method and Apparatus for Forming I/O Clusters in Integrated Circuits

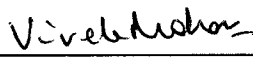
by me devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on July 30, 2008, and assigned Serial No. 12/182,454 (and I hereby authorize and instruct **QUALCOMM Incorporated** to hereafter complete this Assignment by inserting the serial number in the space provided above when known), including, without limitation, all provisional patent applications, and all original and reissue patents granted thereof, and all divisions, and continuations thereof, including the subject matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that I have full right to do so, and agree that I will communicate to said corporation or its representatives all facts known to me respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said corporation, its successors, assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.

The Commissioner of Patents and Trademarks is requested to issue the Letters Patent that may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Method and Apparatus for Forming I/O Clusters in Integrated Circuits

Executed at San Diego, CA this
26 day of August, 2008. 
Reza Jalilzadeh

Executed at San Diego, CA this
25 day of August, 2008. 
Sreeker Dundigal

Executed at San Diego, CA this
25 day of August, 2008. 
Vivek Mohan

Executed at _____, _____ this
____ day of _____, 2008. _____
Thomas R. Toms

Method and Apparatus for Forming I/O Clusters in Integrated Circuits

Executed at _____, _____ this

_____ day of _____, 2008.

Reza Jalilzainali

Executed at _____, _____ this

_____ day of _____, 2008.

Sreeker Dundigal

Executed at _____, _____ this

_____ day of _____, 2008.

Vivek Mohan

Executed at San Jose, Texas this

22 day of August, 2008.

Thomas R. Toms