

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Xia Li</td><td>08/31/2009</td></tr><tr><td>Wei Zhao</td><td>08/31/2009</td></tr><tr><td>David Bang</td><td>08/31/2009</td></tr><tr><td>Yu Cao</td><td>08/31/2009</td></tr><tr><td>Seung H. Kang</td><td>08/31/2009</td></tr><tr><td>Matthew Nowak</td><td>08/31/2009</td></tr></tbody></table>		Name	Execution Date	Xia Li	08/31/2009	Wei Zhao	08/31/2009	David Bang	08/31/2009	Yu Cao	08/31/2009	Seung H. Kang	08/31/2009	Matthew Nowak	08/31/2009
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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															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12493110</td></tr></tbody></table>		Property Type	Number	Application Number:	12493110										
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Application Number:	12493110														
CORRESPONDENCE DATA															
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ATTORNEY DOCKET NUMBER:	081681														

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PATENT  
REEL: 024219 FRAME: 0153

NAME OF SUBMITTER:

Nicholas J. Pauley

Total Attachments: 3

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## ASSIGNMENT

TO WHOM IT MAY CONCERN:

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

Xia Li, a citizen of China, having a mailing address of 5775 Morehouse Drive, San Diego, CA 92121; and a resident of San Diego, California.

Wei Zhao, a citizen of China, having a mailing address of 5775 Morehouse Drive, San Diego, CA 92121; and a resident of San Diego, California 92121.

David Bang, a citizen of United States, having a mailing address of 5775 Morehouse Drive, San Diego, CA 92121; and a resident of San Diego, California.

Yu Cao, a citizen of China, having a mailing address of 5775 Morehouse Drive, San Diego, CA 92121; and a resident of San Diego, California.

Seung H. Kang, a citizen of Korea, having a mailing address of 5775 Morehouse Drive, San Diego, CA 92121; and a resident of San Diego, California

Matthew Nowak, a citizen of United States, having a mailing address of 5775 Morehouse Drive, San Diego, CA 92121; and a resident of San Diego, California.

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

## ASSIGNMENT

Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the entire right, title and interest in and to a certain invention relating to **Predictive Modeling Of Contact And Via Modules For Advanced On-Chip Interconnect Technology** by me devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **June 26, 2009**, and assigned Serial No. 12/493,110, (and I hereby authorize and instruct **QUALCOMM Incorporated** to hereafter complete this Assignment by inserting the serial number and date in the space provided above when known), including Provisional Application Number 61/075,923, filed on June 26, 2008; Provisional Application Number 61/076,011, filed on June 26, 2009; Provisional Application Number 61/078,964 filed on July 8, 2008 and Provisional Application Number 61/151,634 filed on February 11, 2009, and all original and reissue patents granted thereof, and all divisions, continuations and continuations-in-part 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 which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this 31 day of Aug., 2009.

  
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Xia Li

## ASSIGNMENT

Done at San Diego, California this 31 day of Aug., 2009.

Wei Zhao  
Wei Zhao

Done at San Diego, California this 31 day of Aug., 2009.

David Bang  
David Bang

Done at San Diego, California this 31 day of August, 2009.

Yu Cao  
Yu Cao

Done at San Diego, California this 31st day of August, 2009.

Seung H. Kang  
Seung H. Kang

Done at San Diego, California this 31 day of Aug, 2009.

Matthew Nowak  
Matthew Nowak