

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Marvell Semiconductor, Inc.</td> <td>08/21/2012</td> </tr> </tbody> </table>		Name	Execution Date	Marvell Semiconductor, Inc.	08/21/2012						
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Marvell Semiconductor, Inc.	08/21/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Marvell International Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>Canon's Court, 22 Victoria Street</td> </tr> <tr> <td>City:</td> <td>Hamilton</td> </tr> <tr> <td>State/Country:</td> <td>BERMUDA</td> </tr> <tr> <td>Postal Code:</td> <td>HM12</td> </tr> </table>		Name:	Marvell International Ltd.	Street Address:	Canon's Court, 22 Victoria Street	City:	Hamilton	State/Country:	BERMUDA	Postal Code:	HM12
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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>13586678</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13586678						
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Application Number:	13586678										
CORRESPONDENCE DATA											
Fax Number:	4082222755										
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Correspondent Name:	HORACE NG										
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ATTORNEY DOCKET NUMBER:	MP4239										
NAME OF SUBMITTER:	HORACE NG										
<p>Total Attachments: 3 source=MP4239_EXECUTED ASSIGNMENT MSI TO MIL#page1.tif source=MP4239_EXECUTED ASSIGNMENT MSI TO MIL#page2.tif source=MP4239_EXECUTED ASSIGNMENT MSI TO MIL#page3.tif</p>											

OP \$40.00 13586678

ASSIGNMENT
Corporate

Marvell Semiconductor, Inc., a California corporation, having a principal place of business at 5488 Marvell Lane, Santa Clara, CA 95054 (hereafter the "Assignor"), is the owner by respective Assignment of United States Patent Application(s) identified below (hereafter sometimes called the "Patent Application(s)").

Marvell International Ltd., a corporation of Bermuda, having a place of business at Canon's Court, 22 Victoria Street, Hamilton, Hm12, Bermuda (hereafter the "Assignee"), desires to acquire all of the rights to the Patent Application(s) and all inventions described and claimed therein or entitled to the benefit thereof.

THEREFORE, in consideration of the sum of One Dollar (\$1.00) US or equivalent and other good and valuable consideration paid to it, Assignor hereby sells and assigns to the Assignee the entire right, title and interest in and to the Patent Application(s) identified below, and all inventions described and claimed therein or entitled to the benefit thereof, in any and all Letters Patent therefor, and in any and all reissues, extensions, renewals, reexaminations, divisions, continuations and foreign counterparts of such applications or Letters Patent to the full end of the term or terms for which such Letters Patent issue, such entire right, title and interest to be held and enjoyed by the above-named Assignee the same as they would have been held and enjoyed by the Assignor had this Assignment and sale not been made.

<u>Marvell Semiconductor, Inc. Case No.</u>	<u>U. S. Serial No.</u>	<u>U. S. Filing Date</u>	<u>Title</u>
MP4239	13/586,678	08/15/2012	Long Range WLAN Data Unit Format
MP4239PR	61/523,771	08/15/2011	802.11ah Frame Format Design
MP4239PR2	61/528,649	08/29/2011	802.11ah Frame Format Design
MP4239PR3	61/533,065	09/09/2011	802.11ah Frame Format Design
MP4239PR4	61/548,965	10/19/2011	802.11ah Frame Format Design
MP4239PR5	61/561,754	11/18/2011	802.11ah Frame Format Design
MP4239PR6	61/565,330	11/30/2011	802.11ah Frame Format Design
MP4239PR7	61/565,904	12/01/2011	802.11ah Frame Format Design
MP4239PR8	61/585,570	01/11/2012	802.11ah Frame Format Design
MP4239PR9	61/592,257	01/30/2012	802.11ah Frame Format Design
MP4239PR10	61/595,343	02/06/2012	802.11ah Frame Format Design

By its undersigned representative, the Assignor agrees

- a. to execute all papers necessary in connection with the Patent Application(s) and any continuing, divisional, reissue, reexamination or corresponding application thereof and also to execute separate Assignment in connection with such application as the Assignee may deem necessary or expedient;
- b. to execute all papers necessary in connection with any interference which may be declared concerning the Patent Application(s) or any continuation, division, reissue or reexamination thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference; and
- c. to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee on any of the Patent Application(s) and on any continuation, division, reissue or reexamination of any of the Patent Application.

The Assignor hereby covenants that it has the full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict therewith.

Marvell Semiconductor, Inc., a California corporation, certifies that it is the Assignee of the entire right, title and interest in the Patent Application(s) identified above by virtue of Assignment from the inventors of the Patent Application(s) identified above. Assignment to be recorded in the Patent and Trademark Office as identified below.

<u>Marvell Semiconductor, Inc.</u> <u>Case No.</u>	<u>U. S. Serial No.</u>	<u>Assignment Execution Date</u>
MP4239	13/586,678	08/09/2012; 08/20/2012
MP4239PR	61/523,771	08/09/2012; 08/20/2012
MP4239PR2	61/528,649	08/09/2012; 08/20/2012
MP4239PR3	61/533,065	08/09/2012; 08/20/2012
MP4239PR4	61/548,965	08/09/2012; 08/20/2012
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MP4239PR9	61/592,257	08/09/2012; 08/20/2012
MP4239PR10	61/595,343	08/09/2012; 08/20/2012

The undersigned has reviewed the documents in the Patent Application(s) identified above and, to the best of undersigned's knowledge and belief, title is in the Assignor identified above.


The undersigned is empowered to sign this certificate on behalf of the Assignor.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

IN WITNESS WHEREOF, executed by the Assignor's undersigned representative on the date following the undersigned's name.

Marvell Semiconductor, Inc.

By:



Horace Ng

Title: Managing IP Counsel and Director of IP Development

Date: August 21, 2012