505055396 08/21/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5102151

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARVELL HONG KONG LIMITED	08/20/2018

RECEIVING PARTY DATA

Name:	MARVELL INTERNATIONAL LTD.
Street Address:	CANON'S COURT
Internal Address:	22 VICTORIA STREET
City:	HAMILTON
State/Country:	BERMUDA
Postal Code:	HM12

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15041911

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	MP6090
NAME OF SUBMITTER:	KELVIN VIVIAN
SIGNATURE:	/Kelvin Vivian/
DATE SIGNED:	08/21/2018

Total Attachments: 2

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PATENT 505055396 REEL: 046654 FRAME: 0349

ASSIGNMENT Corporate

Marvell Hong Kong Limited, a Hong Kong corporation, having a principal place of business at Units 45, 47, 49 & 49A, 13th Floor, Kowloonbay International Trade & Exhibition Centre, 1 Trademart Drive, Kowloon Bay, Hong Kong (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.

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 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, 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.

Marvell Hong Kong Limited Case No.	<u>U. S. Serial</u> <u>No</u> .	U.S. Filling Date	Title
MP6090	15/041,911	2/11/2016	Method and Apparatus for Range Measurement
MP6090PR	62/114,790	2/11/2015	FTM Frame Filtering in Snoop Based Range Measurement

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(s).

Docket#: MP6090 PATENT

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 Hong Kong Limited, a Hong Kong 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(s) from the inventors of the Patent Application(s) identified above. Assignment(s) to be recorded in the Patent and Trademark Office as identified below.

Marvell Hong Kong Limited Case No.	U. S. Serial No.	Assignment Execution Date
MP6998	15/041,911	August 15, 2018
MP6090PR	62/114,790	August 15, 2018

The undersigned has reviewed the documents in the Patent Application 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 Hong Kong Limited
Ву:	Mitch Gaynor / Director
Date:	Aug. 1 20,2018
	ed on behalf of: ELL INTERNATIONAL LTD.
•	SHEKMAN TAHLOR
Title:	GENERAL HUNAGER
Date:	<u> 21 August 200</u>