PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6060619

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CAVIUM INTERNATIONAL	12/31/2019

RECEIVING PARTY DATA

Name:	MARVELL ASIA PTE, LTD.
Street Address:	TAI SENG CENTRE
Internal Address:	3 IRVING ROAD, #10-01
City:	SINGAPORE
State/Country:	SINGAPORE
Postal Code:	369522

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15165713

CORRESPONDENCE DATA

Fax Number: (248)641-0270

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 2486411600
Email: hprovost@hdp.com
Correspondent Name: HARNESS, DICKEY & PIERCE, P.L.C.
Address Line 1: P.O. BOX 828
Address Line 4: BLOOMFIELD HILLS, MICHIGAN 48303

ATTORNEY DOCKET NUMBER:	MP6360
NAME OF SUBMITTER:	HOLLY PROVOST
SIGNATURE:	/Holly Provost/
DATE SIGNED:	04/14/2020

Total Attachments: 4
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ASSIGNMENT AND QUITCLAIM TRANSFER

WHEREAS, **Cavium International**, a corporation organized under the laws of Cayman Islands, and with offices at c/o Estera Trust (Cayman) Limited, PO Box 1350, Clifton House, 75 Fort Street, Grand Cayman KY1-1108, Cayman Islands (hereinafter "**Assignor**") owns the patents and patent applications listed in Exhibit A attached hereto and incorporated herein by this reference (hereinafter "**Group A**") and may have an ownership interest in some or all of the patents and patent applications listed in Exhibit B attached hereto and incorporated herein by this reference (hereinafter "**Group B**");

WHEREAS, **Marvell Asia Pte, Ltd.**, a corporation organized under the laws of Singapore, and with offices at Tai Seng Centre, 3 Irving Road, #10-01 Singapore 369522, a limited liability corporation (hereinafter "Assignee"), desires to acquire the Assignor's ownership interest in, to and under the **Group A** and the **Group B**; and

WHEREAS, Assignor has executed on an effective date of December 31, 2019 (hereinafter "**Effective Date**") that certain Transfer and Assignment Agreement assigning, among other things, all interest in and to the **Group A** and transferring by quitclaim its ownership interest, if any, in and to the **Group B** to Assignee (the "Purchase Agreement").

NOW, THEREFORE, for consideration of one dollar ($1.00) and other good and valuable consideration paid by Assignee to Assignor, the receipt and sufficiency of which hereby is acknowledged, Assignor does hereby sell, assign and transfer to Assignee its entire interest in and to the **Group A**, including all divisions, continuations, reexaminations, reissues, and foreign counterparts of the applications and patent registrations for the **Group A** (and the right to claim priority and the right to apply for any of the foregoing); including assignment of any and all provisional applications that are relied upon for priority; all rights to causes of action and remedies related thereto (including, without limitation, the right to sue for past, present or future infringement, misappropriation or violation of rights related to the foregoing); and any and all other rights and interests arising out of, in connection with or in relation to the **Group A**.

FURTHER, for consideration of one dollar ($1.00) and other good and valuable consideration paid by Assignee to Assignor, the receipt and sufficiency of which hereby is acknowledged, Assignor does hereby **quitclaim** sell, assign and transfer to Assignee its ownership interest, if any, in and to the **Group B**, including all divisions, continuations, reexaminations, reissues, and foreign counterparts of the applications and patent registrations for the **Group B** (and the right to claim priority and the right to apply for any of the foregoing); including assignment of any and all provisional applications that are relied upon for priority; all rights to causes of action and remedies related thereto (including, without limitation, the right to sue for past, present or future infringement, misappropriation or violation of rights related to the foregoing); and any and all other rights and interests arising out of, in connection with or in relation to the **Group B**.

FURTHER, nothing contained herein shall be deemed to alter or amend the terms and provisions of the Purchase Agreement and in the event of any conflict between the terms and provisions of this Assignment and the Purchase Agreement, the terms and provisions of the Purchase Agreement shall be deemed to govern and be controlling in all circumstances. This Assignment is executed pursuant to the Purchase Agreement and is entitled to the benefits and subject to the

provisions thereof and shall bind and inure to the benefit of the parties thereto and their respective successors and assigns.

FURTHER, Assignor hereby covenants and agrees to execute and deliver, at the request of Assignee, such further instruments of transfer and assignment and to take any other action as such Assignee may reasonably request to more effectively consummate the assignments contemplated by this Assignment. Specifically, Assignor agrees to, at Assignee's expense, execute, acknowledge and deliver such further documents, instruments, conveyances and assurances and take such further actions as may be reasonably required to register in the name of Assignee the assignment of any of the Patents in **Group A** and/or the **Group B** in any appropriate governmental agency or registrar.

IN WITNESS WHEREOF, Assignor and Assignee have executed and delivered this Patent Assignment by their duly authorized representatives at 11:58 pm PST on the **Effective Date**.

ASSIGNOR:

Cavium International,
a corporation organized under the laws of Cayman Islands

By: _____

Philip Anderson
Director

ASSIGNEE:

Marvell Asia Pte, Ltd.,
a corporation organized under the laws of Singapore

By: _____

Steven Parker
Director

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By: _____

Philip Anderson
Director

ASSIGNEE:

Marvell Asia Pte, Ltd.,
a corporation organized under the laws of Singapore

By: _____

Steven Parker
Director

Family	IP Right ID	Country	Application Number	Filing Date	Patent Number	Issue Date	Status	Title
MP6358	MP6358	US	15/048,135	2/19/2016			Pending	SYSTEMS AND METHODS FOR SECURED DATA TRANSFER VIA INTER-C
MP6358	MP6358WO	WO	PCT/US2016/01	2/19/2016			Pending	SYSTEMS AND METHODS FOR SECURED DATA TRANSFER VIA INTER-C
MP6358	MP6358WOCN	CN	201680033402.5	2/19/2016			Pending	SYSTEMS AND METHODS FOR SECURED DATA TRANSFER VIA INTER-C
MP6360	MP6360	US	15/165,713	5/26/2016	10097393	10/9/2018	In Force	Systems And Methods To Reduce Peak To Average Power Ratio For D
MP6360	MP6360C1	US	16/151,870	10/4/2018	10439854	10/8/2019	In Force	SYSTEMS AND METHODS TO REDUCE PEAK TO AVERAGE POWER RAT
MP6360	MP6360C1C1	US	16/571,406	9/16/2019			Pending	Systems And Methods To Reduce Peak To Average Power Ratio For D
MP6364	MP6364	US	15/184,342	6/16/2016	9966937	5/8/2018	In Force	Frequency Multipliers
MP6364	MP6364WO	WO	PCT/US2016/03	6/17/2016			Pending	Frequency Multipliers
MP6367	MP6367	US	15/619,143	6/9/2017	10268395	4/23/2019	In Force	SYSTEMS AND METHODS FOR COMMUNICATING ADDRESSABLE REC
MP6368	MP6368	US	15/178,979	6/10/2016			Pending	Validating De-Authentication Requests
MP6371	MP6371	US	15/060,732	3/4/2016	10084559	9/25/2018	In Force	System And Method For Maintaining A Time Of Day In A Port Of A Ph
MP6371	MP6371C1	US	16/136,871	9/20/2018			Pending	MAINTAINING A TIME OF DAY IN PHYSICAL LAYER CIRCUIT OF A NET
MP6379	MP6379WOEPDE	DE	15731212.5	6/11/2015	602015039893	10/16/2019	In Force	Compressed Preamble for a Wireless Communication System
MP6379	MP6379WOEPFR	FR	15731212.5	6/11/2015	3155779	10/16/2019	In Force	Compressed Preamble for a Wireless Communication System
MP6379	MP6379WOEPGB	GB	15731212.5	6/11/2015	3155779	10/16/2019	In Force	Compressed Preamble for a Wireless Communication System
MP6390	MP6390D1	US	16/425,366	5/29/2019			Pending	MRAM STRUCTURE FOR EFFICIENT MANUFACTURABILITY
MP6392	MP6392	US	15/198,746	6/30/2016	9882558	1/30/2018	In Force	Power-On Reset Circuit
MP6400	MP6400	US	15/235,585	8/12/2016	10397386	8/27/2019	In Force	SYSTEM AND METHOD FOR PROVIDING TEST SCENARIO REPRODUCTI
MP6400	MP6400D1	US	16/510,419	7/12/2019			Pending	SYSTEM AND METHOD FOR PROVIDING TEST SCENARIO REPRODUCTI
MP6401	MP6401	US	15/246,977	8/25/2016	9774303	9/26/2017	In Force	LOW-NOISE AMPLIFIER FOR INTRA-BAND NON CONTIGUOUS CARRIE
MP6403	MP6403	US	15/164,364	5/25/2016	9838072	12/5/2017	In Force	Systems And Methods To Mitigate Electro-Magnetic Interference In S
MP6403	MP6403.C1	US	15/825,937	11/29/2017	10044406	8/7/2018	In Force	INTERFERENCE MITIGATION IN SINGLE TWISTED-PAIR COMMUNICAT
MP6404	MP6404	US	15/164,391	5/25/2016	9716529	7/25/2017	In Force	Systems And Methods To Adaptively Mitigate Electro-Magnetic Interf
MP6414	MP6414	US	15/219,164	7/25/2016	9844111	12/12/2017	In Force	DIMMABLE LED DRIVING SYSTEM AND METHOD FOR REDUCING FLIC
MP6415	MP6415	US	15/222,477	7/28/2016	10103944	10/16/2018	In Force	PURPOSELY CORRUPTED PACKET FOR CONNECTION INFORMATION
MP6415	MP6415WO	WO	PCT/IB2016/054	7/28/2016			Pending	PURPOSELY CORRUPTED PACKET FOR CONNECTION INFORMATION
MP6416	MP6416	US	15/220,406	7/27/2016	9871607	1/16/2018	In Force	PHASE CONTINUITY IN NARROW-BAND TRANSMISSION WITHIN A FR
MP6417	MP6417	US	15/221,438	7/27/2016	10159043	12/18/2018	In Force	TRAINING SEQUENCES IN WIRELESS COMMUNICATION SYSTEMS
MP6417	MP6417C1	US	16/221,755	12/17/2018			Pending	TRAINING SEQUENCES FOR HIGH EFFICIENCY WIRELESS LOCAL AREA
MP6418	MP6418	US	15/334,188	10/25/2016	10438881	10/8/2019	In Force	PACKAGING ARRANGEMENTS INCLUDING HIGH DENSITY INTERCONN
MP6418	MP6418TW	TW	105134851	10/27/2016			Pending	EMBEDDED HDI (HIGH DENSITY INTERCONNECT) SILICON BRIDGE IN
MP6418	MP6418WO	WO	PCT/US2016/05	10/26/2016			Pending	PACKAGING ARRANGEMENTS INCLUDING HIGH DENSITY INTERCONN
MP6422	MP6422	US	15/265,541	9/14/2016	10162547	12/25/2018	In Force	MEMORY EXPANSION IN A LINKING PROCESS
MP6423	MP6423	US	15/209,635	7/13/2016	9998167	6/12/2018	In Force	RECONFIGURABLE INTEGRATED RF FRONT-END FOR DUAL-BAND WL