

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6558537

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
MARVELL WORLD TRADE LTD.		02/02/2021
RECEIVING PARTY DATA		
Name:	MARVELL INTERNATIONAL LTD.	
Street Address:	VICTORIA PLACE, 5TH FLOOR	
Internal Address:	31 VICTORIA STREET	
City:	HAMILTON	
State/Country:	BERMUDA	
Postal Code:	HM10	
PROPERTY NUMBERS Total: 23		
Property Type	Number	
Application Number:	16526932	
Application Number:	62712066	
Application Number:	16526808	
Application Number:	16526753	
Application Number:	62712084	
Application Number:	16585930	
Application Number:	62738489	
Application Number:	16670893	
Application Number:	62753619	
Application Number:	16706073	
Application Number:	62778602	
Application Number:	16703764	
Application Number:	62846661	
Application Number:	16537109	
Application Number:	62853638	
Application Number:	16536828	
Application Number:	62849029	
PCT Number:	IB2019056514	
PCT Number:	US2019044235	

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Property Type	Number
PCT Number:	US2019044239
PCT Number:	US2019053556
PCT Number:	US2019059225
PCT Number:	IB2019060536

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.

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Address Line 4: BLOOMFIELD HILLS, MICHIGAN 48303

ATTORNEY DOCKET NUMBER:	5059-500027
NAME OF SUBMITTER:	HOLLY PROVOST
SIGNATURE:	/Holly Provost/
DATE SIGNED:	02/18/2021

Total Attachments: 4

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CANCELLATION OF EXCLUSIVE LICENSE and ASSIGNMENT
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WHEREAS, Marvell World Trade Ltd., a corporation of Barbados, having a place of business at L'Horizon, Gunsite Road, Brittons Hill, St. Michael, Barbados BB14027 (hereafter "ASSIGNOR"), is the owner by respective Assignment of patents and patent applications identified in Exhibit A (hereafter "Group A"), attached hereto and incorporated herein by reference, and may have granted an exclusive license for some or all of the Group A to Marvell International Ltd., a corporation of Bermuda, having a place of business at Victoria Place, 5th Floor, 31 Victoria Street, Hamilton, HM10, Bermuda (hereafter "ASSIGNEE");

WHEREAS, ASSIGNOR and ASSIGNEE desire to cancel the exclusive licenses to the Group A (if applicable), and ASSIGNEE desires to acquire the entire right, title, and interest of ASSIGNOR in, to and under the Group A and all inventions and improvements described and claimed therein or entitled to the benefit thereof; and

NOW, THEREFORE, for consideration of one dollar (\$1.00) and other good and valuable consideration paid by ASSIGNEE, the receipt of which is hereby acknowledged, ASSIGNOR and ASSIGNEE hereby cancel the exclusive licenses to the Group A (if applicable), the ASSIGNOR does hereby sell, assign, and transfer to the ASSIGNEE the entire right, title and interest in and to the Group A. The foregoing assignment includes all inventions and improvements disclosed therein and the right to sue for past, present and future infringement thereof, in the U.S. and every foreign country, and all patent rights, including extensions or derivations thereof, both foreign and domestic, that exist and may issue on the Group A, and in any continuation, continuation-in-part, divisional, re-examination, priority application, reissue or extension of the Group A. The foregoing assignment of the Group A further includes the right to claim priority under International Conventions and the assignment of any and all provisional applications that are relied upon. This assignment includes the right of ASSIGNEE to apply on its own behalf for protection of the Group A and any patents issued on the Group A, in the U.S. and countries foreign to the U.S., and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of any earlier U.S. application (or any other application on the invention) to gain priority with respect to other applications. The Group A and all patents that issue therefrom shall be held and enjoyed by the ASSIGNEE, its successors and assigns as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this assignment not been made, including all rights therein provided by international conventions and treaties, and the right to sue for past, present and future infringement thereof.

By its undersigned representative, the ASSIGNOR agrees:

- a. to execute all papers necessary in connection with the Group A, or any continuing, divisional, reissue, reexamination or corresponding application thereof;
- b. to execute all papers necessary in connection with any interference which may be declared concerning the Group A 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;
- c. to perform all affirmative acts which may be necessary to obtain a grant of a valid United States or foreign patent to the ASSIGNEE on any of the Group A, or any continuation, division, reissue or reexamination thereof; and
- d. to 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 or any continuation, division, reissue or reexamination thereof in any appropriate governmental agency or registrar.

IN WITNESS WHEREOF, Assignor and Assignee have executed this Patent Assignment on the date indicated below.

Marvell World Trade Ltd.

a corporation organized under the laws of Barbados,

By:  _____

Date: February 2, 2021

Steven Parker
Director

Accepted on behalf of:

Marvell International Ltd.

a corporation organized under the laws of Bermuda,

By:  _____

Date: February 3, 2021

Sherman Taylor
General Manager

Exhibit A

MP#	Cty	AppNo	FilingDt	PatNo	IssDt	Title
MP11022	US	16/526,932	7/30/2019			Shared Memory Block Configuration
MP11022PR	US	62/712,066	7/30/2018			FLEXIBLE MEMORY DESIGN FOR SHARED MEMORY
MP11022WO	WO	PCT/IB/2019/056514	7/30/2019			FLEXIBLE MEMORY DESIGN FOR SHARED MEMORY
MP11036	US	16/526,808	7/30/2019			Wireless Local Area Network Management
MP11036-2	US	16/526,753	7/30/2019			MEDIUM PROTECTION IN WIRELESS LOCAL AREA NETWORKS
MP11036-2WO	WO	PCT/US19/44235	7/30/2019			HIGH EFFICIENCY (HE) OPERATION AT 6GHz BAND
MP11036PR	US	62/712,084	7/30/2018			HIGH EFFICIENCY (HE) OPERATION AT 6GHz BAND
MP11036WO	WO	PCT/US19/44239	7/30/2019			HIGH EFFICIENCY (HE) OPERATION AT 6GHz BAND
MP11075	US	16/585,930	9/27/2019			WLAN OPERATION USING MULTIPLE COMPONENT CHANNELS
MP11075PR	US	62/738,489	9/28/2018			FRAME EXCHANGE, BASIC SERVICE SET (BSS) OPERATION AND OPERATING MODE WITH BAND AGGREGATION
MP11075WO	WO	PCT/US2019/053556	9/27/2019			WLAN OPERATION USING MULTIPLE COMPONENT CHANNELS
MP11089	US	16/670,893	10/30/2019			Padding for Wakeup Radio (WUR) Packets
MP11089PR	US	62/753,619	10/31/2018			WAKE-UP RADIO (WUR) FDMA PADDING
MP11089WO	WO	PCT/US2019/059225	10/31/2019			PADDING FOR WAKEUP RADIO (WUR) PACKETS
MP11105	US	16/706,073	12/5/2019			PHYSICAL LAYER PROTOCOL DATA UNIT DIRECTIONAL TRANSMISSION
MP11105PR	US	62/778,602	12/12/2018			Sector based association of STA with AP
MP11105WO	WO	PCT/IB2019/060536	12/6/2019			Physical Layer Protocol Data Unit Directional Transmission
MP12936	US	16/703,764	12/4/2019			Methods and Apparatus for Providing An Adaptive Beamforming Antenna For OFDM-Based Communication Systems
MP12936CN	CN	202010392664.2	5/11/2020			Methods and Apparatus for Providing an Adaptive Beam-Forming Antenna for OFDM-Based Communication Systems
MP12936DE	DE	102020205900.4	5/11/2020			Methods and Apparatus for

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					Providing an Adaptive Beam-Forming Antenna for OFDM-Based Communication Systems
MP12936JP	JP	2020-083507	5/11/2020		Methods and Apparatus for Providing an Adaptive Beam-Forming Antenna for OFDM-Based Communication Systems
MP12936PR	US	62/846,661	5/11/2019		Methods and Apparatus for Providing an Adaptive Beam-Forming Antenna for OFDM-Based Communication Systems
MP13093	US	16/537,109	8/9/2019		Methods and Apparatus for Distributing Baseband Signal Processing of Fifth (5G) New Radio Uplink Signals
MP13093CN	CN	202010470160.8	5/28/2020		Method and apparatus for baseband signal compression of 5G NR uplink
MP13093DE	DE	102020206711.2	5/28/2020		Method and apparatus for baseband signal compression of 5G NR uplink
MP13093PR	US	62/853,638	5/28/2019		Method and apparatus for baseband signal compression of 5G NR uplink
MP13095	US	16/536,828	8/9/2019		Methods and Apparatus for Distributed Baseband Signal Processing for Fifth Generation (5G) New Radio Downlink Signals
MP13095DE	DE	102020210032.2	8/7/2020		METHOD AND APPARATUS FOR A BASEBAND SIGNAL COMPRESSION OF 5G NR DOWNLINK
MP13095KR	KR	10-2020-0099169	8/7/2020		METHOD AND APPARATUS FOR A BASEBAND SIGNAL COMPRESSION OF 5G NR DOWNLINK
MP13095PR	US	62/849,029	5/16/2019		METHOD AND APPARATUS FOR A BASEBAND SIGNAL COMPRESSION OF 5G NR DOWNLINK

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