

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5214059

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MARVELL WORLD TRADE LTD.	10/30/2018
RECEIVING PARTY DATA	
Name:	MARVELL INTERNATIONAL LTD.
Street Address:	CANON'S COURT, 22 VICTORIA STREET
City:	HAMILTON
State/Country:	BERMUDA
Postal Code:	HM12
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12938260
CORRESPONDENCE DATA	
Fax Number:	(408)222-2755
<i>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.</i>	
Phone:	4082222500
Email:	agorthy@marvell.com
Correspondent Name:	KELVIN VIVIAN
Address Line 1:	5488 MARVELL LANE
Address Line 4:	SANTA CLARA, CALIFORNIA 95054
ATTORNEY DOCKET NUMBER:	MP3423
NAME OF SUBMITTER:	KELVIN VIVIAN
SIGNATURE:	/Kelvin Vivian/
DATE SIGNED:	10/30/2018
Total Attachments: 9	
source=Assignment_and_Cancellation_of_Exclusive_License_(MWTL to MIL)_(FULLY EXECUTED)#page1.tif	
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PATENT

ASSIGNMENT AND CANCELLATION OF EXCLUSIVE LICENSE
MWTL to MIL

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 the "ASSIGNOR"), is the owner by respective Assignment of patents and patent applications identified in Exhibit A (hereafter the "ASSIGNED PATENTS"), attached hereto and incorporated herein by reference, and has granted an exclusive license for some or all of the ASSIGNED PATENTS to 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"); and

WHEREAS, ASSIGNOR and ASSIGNEE desire to cancel the exclusive licenses to the ASSIGNED PATENTS (if applicable), and ASSIGNEE desires to acquire all interest of ASSIGNOR in, to and under the ASSIGNED PATENTS.

THEREFORE, for good and valuable consideration paid by ASSIGNEE to ASSIGNOR, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR and ASSIGNEE hereby cancel the exclusive licenses to the ASSIGNED PATENTS (if applicable), and ASSIGNOR does hereby sell, transfer, assign and deliver unto ASSIGNEE its entire interest in and to the ASSIGNED PATENTS, including all divisions, continuations, reexaminations, reissues, and foreign counterparts of the applications and patent registrations for the ASSIGNED PATENTS (and the right to claim priority and the right to apply for any of the foregoing); and 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).

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 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 the ASSIGNED PATENTS in any appropriate governmental agency or registrar.

FURTHER, ASSIGNOR hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents or other governmental grants or issuances that may be granted upon any of the ASSIGNED PATENTS in the name of ASSIGNEE.

PATENT

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

MARVELL WORLD TRADE LTD.

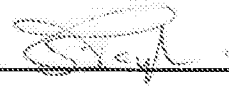
By: 

Name: Steven Parker

Title: Director

Date: NOVEMBER 30, 2018

Accepted on behalf of:
Marvell International Ltd.

By: 

Name: Sherman Taylor

Title: General Manager

Date: October 30, 2018

PATENT

Exhibit A

COUNTRY	MP NUMBER	APPLICATION NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	STATUS	REFERENCE	MP FAMILY
US	MP3415PR7	61/321,390	4/6/2010	N/A	N/A	Expired	NUMBER OF STREAM INDICATION FOR 11AC	MP3415
US	MP3415PR6	61/307,780	2/24/2010	N/A	N/A	Expired	NUMBER OF STREAM INDICATION FOR 11AC	MP3415
US	MP3415PR5	61/294,729	1/13/2010	N/A	N/A	Expired	NUMBER OF STREAM INDICATION FOR 11AC	MP3415
US	MP3415PR4	61/260,729	11/12/2009	N/A	N/A	Expired	NUMBER OF STREAM INDICATION FOR 11AC	MP3415
US	MP3415PR3	61/259,584	11/9/2009	N/A	N/A	Expired	NUMBER OF STREAM INDICATION FOR 11AC	MP3415
US	MP3415PR2	61/255,038	10/26/2009	N/A	N/A	Expired	NUMBER OF STREAM INDICATION FOR 11AC	MP3415
US	MP3415PR	61/254,608	10/23/2009	N/A	N/A	Expired	NUMBER OF STREAM INDICATION FOR 11AC	MP3415
US	MP3415	12/910,608	10/22/2010	9,294,164	3/22/2016	Issued	NUMBER OF STREAMS INDICATION FOR WLAN	MP3415
US	MP3415.C1	12/910,628	10/22/2010	8,724,546	5/13/2014	Issued	TRAINING SEQUENCE INDICATION FOR WLAN	MP3415
US	MP3415C1C1	14/269976	5/5/2014	9,281,877	3/8/2016	Issued	TRAINING SEQUENCE INDICATION FOR WLAN	MP3415

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COUNTRY	MP NUMBER	APPLICATION NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	STATUS	BRIEF	MP FAMILY
US	MP3415C1AA	15/063,218	3/7/2016	N/A	N/A	<i>Published</i>	GENERATING AND PROCESSING MULTI-USER DATA UNITS FOR WLAN	MP3415
CN	MP3415WOCN	CN201080046510.2	4/13/2012	ZL2010800465102	12/2/2015	<i>Issued</i>	NUMBER OF STREAMS INDICATION FOR WLAN	MP3415
CN	MP3415aWCN	CN201080046573.8	4/13/2012	ZL2010800465738	8/3/2016	<i>Issued</i>	TRAINING SEQUENCE INDICATING A METHOD AND APPARATUS WLAN	MP3415
EP	MP3415WOEP	EP20100776467	4/17/2012	2491662	7/29/2015	<i>Issued</i>	NUMBER OF STREAMS INDICATION FOR WLAN	MP3415
DE	MP3415WOEPDE	602010026280.4	4/17/2012	2491662	7/29/2015	<i>Issued</i>	NUMBER OF STREAMS INDICATION FOR WLAN	MP3415
FR	MP3415WOEPFR	20100776467	4/17/2012	2491662	7/29/2015	<i>Issued</i>	NUMBER OF STREAMS INDICATION FOR WLAN	MP3415
GB	MP3415WOEPGB	20100776467	4/17/2012	2491662	7/29/2015	<i>Issued</i>	NUMBER OF STREAMS INDICATION FOR WLAN	MP3415
EP	MP3415aWEP	EP20100776468	4/19/2012	2491663	7/29/2015	<i>Issued</i>	TRAINING SEQUENCE INDICATION FOR WLAN	MP3415
DE	MP3415aWEPDE	602010026281.2	4/19/2012	2491663	7/29/2015	<i>Issued</i>	TRAINING SEQUENCE INDICATION FOR WLAN	MP3415
FR	MP3415aWEPFR	20100776468	4/19/2012	2491663	7/29/2015	<i>Issued</i>	TRAINING SEQUENCE INDICATION FOR WLAN	MP3415
GB	MP3415aWEPGB	20100776468	4/19/2012	2491663	7/29/2015	<i>Issued</i>	TRAINING SEQUENCE INDICATION FOR WLAN	MP3415

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COUNTRY	MP NUMBER	APPLICATION NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	STATUS	TITLE	MP FAMILY
JP	MP3415WOJP	JP20120535431	3/1/2012	5718345	3/27/2015	Issued	NUMBER OF STREAMS INDICATION FOR WLAN	MP3415
JP	MP3415aWJP	JP20120535432	3/1/2012	5718346	3/27/2015	Issued	NUMBER OF STREAMS INDICATION FOR WLAN	MP3415
KR	MP3415WOKR	KR20127009310	4/10/2012	10-1783926	9/26/2017	Issued	NUMBER OF STREAMS INDICATION FOR WLAN	MP3415
KR	MP3415aWKR	KR20127009311	4/10/2012	10-1783927	10/10/2017	Issued	TRAINING SEQUENCE INDICATION FOR WLAN	MP3415
PCT	MP3415WO	WO2010U553844	10/22/2010	WO 2011/050320	4/28/2011	Published	NUMBER OF STREAMS INDICATION FOR WLAN	MP3415
PCT	MP3415C1WO	WO2010U553849	10/22/2010	WO 2011/050324	4/28/2011	Published	TRAINING SEQUENCE INDICATION FOR WLAN	MP3415
US	MP3707PR	61/360,828	7/1/2010	N/A	N/A	Expired	VHTSIGB MODULATION	MP3707
US	MP3707I1PR	61/703,593	9/20/2012	N/A	N/A	Expired	VHTSIGB MODULATION	MP3707
US	MP3707	13/174,186	6/30/2011	9,025,681	5/5/2015	Issued	MODULATION OF SIGNAL FIELD IN A WLAN FRAME HEADER	MP3707
US	MP3707.D1	14/703,416	5/4/2015	9,716,607	7/25/2017	Issued	MODULATION OF SIGNAL FIELD IN A WLAN FRAME HEADER	MP3707

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COUNTRY	MP NUMBER	APPLICATION NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	STATUS	TITLE	MP FAMILY
US	MP3707.I1	14/033120	9/20/2013	9,001,908	4/7/2015	Issued	ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING (OFDM) SYMBOL FORMATS FOR A WIRELESS LOCAL AREA NETWORK (WLAN)	MP3707
US	MP3707.I1C1	14/679,547	4/6/2015	9,729,371	8/8/2017	Issued	ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING (OFDM) SYMBOL FORMATS FOR A WIRELESS LOCAL AREA NETWORK (WLAN)	MP3707
CN	MP3707.FWCN	CN201380058169.6	5/6/2015	ZL2013800581696	6/22/2018	Issued	ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING (OFDM) SYMBOL FORMATS FOR A WIRELESS LOCAL AREA NETWORK (WLAN)	MP3707
CN	MP3707.WOCN	CN201180030232.6	12/18/2012	ZL2011800302326	3/23/2016	Issued	MODULATION OF SIGNAL FIELD IN A WLAN FRAME HEADER	MP3707
EP	MP3707.WOEP	EP20110738092.3	1/2/2013	N/A	N/A	Pending	MODULATION OF SIGNAL FIELD IN A WLAN FRAME HEADER	MP3707
EP	MP3707.FWEP	EP20130771711.2	3/20/2015	N/A	N/A	Pending	ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING (OFDM) SYMBOL FORMATS FOR A WIRELESS LOCAL AREA NETWORK (WLAN)	MP3707
EP	MP3707.WED1	EP20160177252.0	6/30/2016	3094036	6/27/2018	Issued	MODULATION OF SIGNAL FIELD IN A WLAN FRAME HEADER	MP3707
DE	MP3707.WED1DE	602011049672.7	6/30/2016	3094036	6/27/2018	Issued	MODULATION OF SIGNAL FIELD IN A WLAN FRAME HEADER	MP3707

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COUNTRY	MP NUMBER	APPLICATION NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	STATUS	TITLE	MP FAMILY
FR	MP3707WED1FR	EP20160177252.0	6/30/2016	3094036	6/27/2018	Issued	MODULATION OF SIGNAL FIELD IN A WLAN FRAME HEADER	MP3707
GB	MP3707WED1GB	EP20160177252.0	6/30/2016	3094036	6/27/2018	Issued	MODULATION OF SIGNAL FIELD IN A WLAN FRAME HEADER	MP3707
JP	MP3707FWJP	JP20150533222	3/13/2015	N/A	N/A	Pending	ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING (OFDM) SYMBOL FORMATS FOR A WIRELESS LOCAL AREA NETWORK (WLAN)	MP3707
JP	MP3707WQJP	JP20130518727	11/14/2012	5850509	12/11/2015	Issued	MODULATION OF SIGNAL FIELD IN A WLAN FRAME HEADER	MP3707
KR	MP3707WOKR	KR20127032299	12/10/2012	10-1783928	10/10/2017	Issued	MODULATION OF SIGNAL FIELD IN A WLAN FRAME HEADER	MP3707
KR	MP3707FWKR	KR20157009505	4/13/2015	N/A	N/A	Pending	ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING (OFDM) SYMBOL FORMATS FOR A WIRELESS LOCAL AREA NETWORK (WLAN)	MP3707
PCT	MP3707WO	PCT/US2011/042650	6/30/2011	WO 2012/003355	1/5/2012	Published	MODULATION OF SIGNAL FIELD IN A WLAN FRAME HEADER	MP3707
PCT	MP3707I1WO	PCT/US2013/060929	9/20/2013	WO 2014/047444	3/27/2014	Published	ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING (OFDM) SYMBOL FORMATS FOR A WIRELESS LOCAL AREA NETWORK (WLAN)	MP3707
EP	MP3707WED2	EP18191108.2	8/28/2018	N/A	N/A	Pending	MODULATION OF SIGNAL FIELD IN A WLAN FRAME HEADER	

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COUNTRY	MP NUMBER	APPLICATION NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	STATUS	TITLE	MP FAMILY
US	MP3423PR2	61/354,013	6/11/2010	N/A	N/A	Expired	VHT POWER SAVING ENHANCEMENTS	MP3423
US	MP3423PR	61/257,768	11/3/2009	N/A	N/A	Expired	RECEIVING FILTERING BY USING PREAMBLE	MP3423
US	MP3423	12/938,260	11/2/2010	9,480,018	10/25/2016	Issued	PHY DATA UNIT FORMAT FOR MIMO	MP3423
US	MP3423.C1	15/332,662	10/24/2016	N/A	N/A	Published	POWER SAVING IN A COMMUNICATION DEVICE	MP3423
PCT	MP3423WO	PCT/US2010/055118	11/2/2010	WO 2011/056790	5/12/2011	Published	POWER SAVING IN A COMMUNICATION DEVICE	MP3423
CN	MP3423WOCN	CN2010800479124	11/2/2010	ZL2010800479124	6/1/2016	Issued	POWER SAVING IN A COMMUNICATION DEVICE	MP3423
EP	MP3423WOEP	EP10778776.4	2/11/2010	2497304	6/20/2018	Issued	POWER SAVING IN A COMMUNICATION DEVICE	MP3423
DE	MP3423WOEPDE	602010051419.6	2/11/2010	2497304	6/20/2018	Issued	POWER SAVING IN A COMMUNICATION DEVICE	MP3423
FR	MP3423WOEPFR	EP10778776.4	2/11/2010	2497304	6/20/2018	Issued	POWER SAVING IN A COMMUNICATION DEVICE	MP3423
GB	MP3423WOEPGB	EP10778776.4	2/11/2010	2497304	6/20/2018	Issued	POWER SAVING IN A COMMUNICATION DEVICE	MP3423
JP	MP3423WOJP	2012-537191	11/2/2010	5718350	3/27/2015	Issued	POWER SAVING IN A COMMUNICATION DEVICE	MP3423

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COUNTRY	MP NUMBER	APPLICATION NUMBER	FILING DATE	PATENT NUMBER	ISSUE DATE	STATUS	TITLE	MP FAMILY
KR	MP3423WOKR	10-2012-7009312	11/02/2010	10-1679007	11/23/2016	Issued	POWER SAVING IN A COMMUNICATIO N DEVICE	MP3423