

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7744028

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	PCMS HOLDINGS, INC.	12/16/2022
RECEIVING PARTY DATA		
Name:	INTERDIGITAL VC HOLDINGS, INC.	
Street Address:	200 BELLEVUE PARKWAY	
Internal Address:	SUITE 300	
City:	WILMINGTON	
State/Country:	DELAWARE	
Postal Code:	19809	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	18082331
CORRESPONDENCE DATA		
Fax Number:		
<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>		
Email:	docket@inventionmine.com	
Correspondent Name:	INVENTION MINE LLC	
Address Line 1:	115 E. OGDEN AVE	
Address Line 2:	SUITE 105-348	
Address Line 4:	NAPERVILLE, ILLINOIS 60563	
ATTORNEY DOCKET NUMBER:	2015P00355 US02 - 3	
NAME OF SUBMITTER:	ROBERT J. IRVINE III	
SIGNATURE:	/Robert J. Irvine III/	
DATE SIGNED:	01/16/2023	
Total Attachments: 12		
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CONFIRMATORY PATENT ASSIGNMENT

This CONFIRMATORY PATENT ASSIGNMENT, effective as of October 31, 2022 is made by and between **PCMS Holdings, Inc.** by its successor **DRNC Holdings, Inc.**, a Delaware corporation having a place of business at 200 Bellevue Parkway, Suite 300, Wilmington, DE 19809 (hereinafter "Assignor"), and **InteDigital VC Holdings, Inc.**, a Delaware corporation having a place of business at 200 Bellevue Parkway, Suite 300, Wilmington, DE 19809 (hereinafter "Assignee").

WHEREAS:

Assignor previously executed a Patent Assignment, dated October 31, 2022 ("Patent Assignment") with respect to certain United States and/or foreign patents and/or patent applications listed in Exhibit A attached hereto (hereinafter "Patents");

Assignee previously acquired the entire right, title and interest in, to and under the Patents as a result of said Patent Assignment; and

Assignor and Assignee are desirous of memorializing and confirming the prior transfer of the Patents.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound hereby, Assignor hereby confirms that as of October 31, 2022 Assignor intended to and previously has sold, assigned, transferred, and conveyed to Assignee the entire right, title, and interest in and to any and all of the following:

- (i) the Patents, including any and all inventions, invention disclosures, improvements and discoveries disclosed or claimed therein (hereinafter "Inventions"), for the United States, its possessions and territories and all foreign countries, regions and territories;
- (ii) the rights of priority created by the Patents under any treaty relating thereto, including the rights to apply for patents and patent applications covering the Inventions in any and all countries, regions and territories;
- (iii) any and all patents and patent applications, certificates of invention, utility models and any other grants by any governmental entity for the protection of inventions resulting from the Patents, in any and all countries, regions and territories, including any and all patents and patent applications disclosing the Inventions and any patents issuing from such applications, including provisionals, non-provisionals, divisionals, continuations, continuations-in-part, reissues, extensions, renewals, substitutions and re-examinations of the Patents; and
- (iv) all past, present and future causes of action and enforcement rights, whether currently pending, filed or otherwise, in connection with the Patents, the patents and patent applications resulting from the Patents and the Inventions, including without limitation, all rights to sue for any past, present or future infringement thereof, including the rights to license and to collect and receive any damages, royalties, injunctive relief, and/or any other settlements or remedies for such infringements, and including any provisional rights having arisen from any publication of any of the Patents or any patent application resulting therefrom,

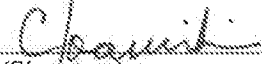
the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor, if this Confirmatory Assignment had not been made.

PCMS Holdings, Inc. to InterDigital VC Holdings, Inc.

AND, this Confirmatory Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Confirmatory Assignment.

IN WITNESS WHEREOF, Assignor and Assignee, by and through their respective authorized representative, have executed this instrument on the date indicated below.

SIGNED for and on behalf of **PCMS Holdings, Inc.** by its successor **DRNC Holdings, Inc.**

By  16 DECEMBER 2022
(Signature) (Date)
Christos A. Ioannidi
Senior Patent Executive

SIGNED for and on behalf of **InterDigital VC Holdings, Inc.**

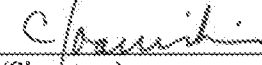
By  16 DECEMBER 2022
(Signature) (Date)
Christos A. Ioannidi
Senior Patent Executive

EXHIBIT A

Country Code	Application Number	Patent or Publication No.	Filing Date
CN	201180001452	ZL201180001452.6	2011-May-11
EP	11777183	EP 2560107 A2	2011-May-11
US	13/705324	US 8743146 B2	2011-May-11
WO	PCT/CN2011/073924	WO 2011137764 A2	2011-May-11
EP	EP15704423.1	EP3097474	2015-Jan-24
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KR	10-2021-7005166	10-2421862	2015-Jan-24
KR	10-2016-7023231	1826290	2015-Jan-24
US	61/931,225		2014-Jan-24
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WO	PCT/US15/12797	WO2015/112926	2015-Jan-24
CN	201580039587.X	CN106659936A	2015-Jul-09
EP	18196817.3	3441966	2015-Jul-09
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US	16/053,498	US2018/0376273	2015-Jul-09
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WO	PCT/US15/39763	WO2016/014254	2015-Jul-09
US	62/055,357		2014-Sep-25
US	15/512,016	US2017/0294051A1	2015-Sep-09
WO	PCT/US15/49189	WO2016/048658	2015-Sep-09
EP	15763119.3	3201859	2015-Aug-14
US	62/057,536		2014-Sep-30
US	15/512,018	10,620,900	2015-Aug-14
WO	PCT/US15/45362	WO2016/053486	2015-Aug-14
EP	15793953.9	3215956	2015-Oct-20
US	62/076,869		2014-Nov-07
US	15/524,365	US2018/0276896	2015-Oct-20
WO	PCT/US15/56360	WO2016/073185	2015-Oct-20
US	62/102,430		2015-Jan-12
US	15/542,748	US2018/0276882	2015-Dec-30
WO	PCT/US15/68087	WO2016/114930	2015-Dec-30
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NL	15801025.6	3219098	2015-Nov-06
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US	62/202,431		2015-Aug-07
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DE	16760254.9	3342176	2016-Aug-17
EP	16760254.9	3342176	2016-Aug-17
FR	16760254.9	3342176	2016-Aug-17
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DE	16788836.1	602016024388.1	2016-Sep-30
EP	19208243.6	3629136	2016-Sep-30
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US	62/261,029		2015-Nov-30
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DE	16801664.0	3377961	2016-Nov-10
EP	16801664.0	3377961	2016-Nov-10
FR	16801664.0	3377961	2016-Nov-10
GB	16801664.0	3377961	2016-Nov-10
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US	62/378,630		2016-Aug-23
WO	PCT/US17/47605	WO2018/039071	2017-Aug-18
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US	62/428,301		2016-Nov-30
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EP	18701915.3	3571845	2018-Jan-11
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EP	22211702.0		2018-Jan-16
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WO	PCT/US18/013915	WO2018/136438	2018-Jan-16
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EP	18746338.5	3646581	2018-Jun-22
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EP	18705041.4	3577631	2018-Jan-25
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US	16/493,678	10,969,874	2018-Mar-16
WO	PCT/US18/022976	WO2018/175257	2018-Mar-16
US	62/504,948		2017-May-11
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US	62/466,185		2017-Mar-02
US	62/517,096		2017-Jun-08
US	62/476,318		2017-Mar-24
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EP	18728777.6	3625772	2018-May-11
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US	62/517,045		2017-Jun-08
CN	201880050657.5	ZL201880050657.5	2018-May-31
EP	18735746.2	3635949	2018-May-31
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CN	201880035338.7	CN 110709895 A	2018-May-16
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US	16/617,982	2020/0193648	2018-May-16
WO	PCT/US18/032948	WO2018/222390	2018-May-16
US	62/530,645		2017-Jul-10
US	62/561,019		2017-Sep-20
US	62/571,195		2017-Oct-11
US	62/537,271		2017-Jul-26
US	62/545,287		2017-Aug-14
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WO	PCT/US18/48395	WO2019/046334	2018-Aug-28
US	62/618,403		2018-Jan-17
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US	62/619,401		2018-Jan-19
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WO	PCT/US19/013803	WO2019/143688	2019-Jan-16
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EP	18836442.6	3732662	2018-Dec-21
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MX	MX/A/2020/009791		2019-Mar-20
US	62/647,568		2018-Mar-23
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EP	19722464.5	3788457	2019-Apr-26
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CN	201980039734.1	CN 112313712 A	2019-Apr-18
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