

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6699130

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
INTERDIGITAL VC HOLDINGS, INC.	11/02/2020
RECEIVING PARTY DATA	
Name:	INTERDIGITAL MADISON PATENT HOLDINGS, SAS
Street Address:	3 RUE DU COLONEL MOLL
City:	PARIS
State/Country:	FRANCE
Postal Code:	75017
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	16628676
Application Number:	16634142
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>	
Phone:	3022813600
Email:	portfolio.ops@interdigital.com
Correspondent Name:	PATENT DOCKETING
Address Line 1:	200 BELLEVUE PARKWAY
Address Line 2:	SUITE 300
Address Line 4:	WILMINGTON, DELAWARE 19809
NAME OF SUBMITTER:	DAMIAN HAMME
SIGNATURE:	/Damian Hamme, Reg. No.71,729/
DATE SIGNED:	05/07/2021
Total Attachments: 10	
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PATENT ASSIGNMENT

This PATENT ASSIGNMENT, effective as of September 11, 2020, is made by and between **InterDigital VC Holdings, Inc.**, a Delaware corporation having a place of business at 200 Bellevue Parkway, Suite 300, Wilmington, DE 19809 (hereinafter "Assignor"), and **InterDigital Madison Patent Holdings, SAS**, a French corporation with a registered address of 3 rue du Colonel Moll, 75017 Paris, France (hereinafter "Assignee").

WHEREAS:

Assignor is the sole owner of the patents and patent applications listed in the attached Exhibit A (hereinafter "Patents"); and

Assignee is desirous of acquiring all of Assignor's right, title and interest in and to the Patents.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound hereby, Assignor has sold, assigned and transferred, and does hereby sell, assign and transfer 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,

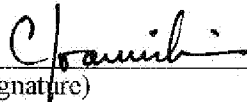
the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor, if this Assignment and sale had not been made.

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

Patent Assignment: InterDigital VC Holdings, Inc. to InterDigital Madison Patent Holdings, SAS

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 **InterDigital VC Holdings, Inc.**

By	<u></u>	<u>2 November 2020</u>
	(Signature)	(Date)
	<u>Christos Ioannidi</u>	<u>Senior Patent Executive</u>
	(Print Name)	(Print Title)

SIGNED for and on behalf of **InterDigital Madison Patent Holdings, SAS**

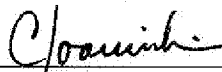
By	<u></u>	<u>2 November 2020</u>
	(Signature)	(Date)
	<u>Christos Ioannidi</u>	<u>Vice President</u>
	(Print Name)	(Print Title)

EXHIBIT A

Country	Application No.	Filing Date	Patent No.
CN	201780065588.0	2017-Oct-24	
EP	16306398.5	2016-Oct-25	
EP	17787437.7	2017-Oct-24	
JP	2019-519282	2017-Oct-24	
KR	10-2019-7011718	2017-Oct-24	
US	16/339407	2017-Oct-24	
WO	PCT/EP17/077140	2017-Oct-24	
EP	17305168.1	2017-Feb-15	
EP	18706659.2	2018-Feb-06	
US	16/486,491	2018-Feb-06	
WO	PCT/EP18/052851	2018-Feb-06	
EP	16306176.5	2016-Sep-15	
EP	17767797.8	2017-Sep-11	
US	16/333519	2017-Sep-11	
WO	PCT/EPI17/072773	2017-Sep-11	
CN	201780060867.8	2017-Sep-14	
EP	16306262.3	2016-Sep-30	
EP	17764841.7	2017-Sep-14	
JP	2019-517061	2017-Sep-14	
KR	10-2019-7008874	2017-Sep-14	
US	16/338,121	2017-Sep-14	

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Country	Application No.	Filing Date	Patent No.
WO	PCT/EP17/073101	2017-Sep-14	
CN	201780060221.X	2017-Sep-26	
EP	16306263.1	2016-Sep-30	
EP	17777008.8	2017-Sep-26	
US	16/334719	2017-Sep-26	
WO	PCT/EP17/074366	2017-Sep-26	
EP	16306264.9	2016-Sep-30	
EP	17768385.1	2017-Aug-31	
US	16/338,476	2017-Aug-31	
WO	PCT/EP17/071831	2017-Aug-31	
CN	201780060296.8	2017-Sep-28	
EP	16306269.8	2016-Sep-30	
EP	17777043.5	2017-Sep-28	
JP	2019-516216	2017-Sep-28	
KR	10-2019-7009038	2017-Sep-28	
US	16/334100	2017-Sep-28	
WO	PCT/EP17/074672	2017-Sep-28	
CN	201780060054.9	2017-Sep-28	
EP	16306271.4	2016-Sep-30	
EP	17772073.7	2017-Sep-28	
JP	2019-512885	2017-Sep-28	
KR	10-2019-7008840	2017-Sep-28	

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Country	Application No.	Filing Date	Patent No.
US	16/334439	2017-Sep-28	10834389
WO	PCT/EP17/074624	2017-Sep-28	
CN	201780057373.4	2017-Sep-14	
EP	16306193.0	2016-Sep-19	
EP	16306287.0	2016-Sep-30	
EP	17765191.6	2017-Sep-14	
JP	2019-514812	2017-Sep-14	
KR	10-2019-7010888	2017-Sep-14	
US	16/334147	2019-Mar-18	
WO	PCT/EP17/073077	2017-Sep-14	
CN	201711460857.1	2017-Dec-28	
EP	16306837.2	2016-Dec-28	
EP	17208147.3	2017-Dec-18	
JP	2017-250468	2018-Feb-26	
KR	10-2017-0179649	2017-Dec-26	
US	15/856002	2017-Dec-27	
CN	201780068990.4	2017-Sep-25	
EP	16306308.4	2016-Oct-05	
EP	17772060.4	2017-Sep-25	
JP	2019-516440	2017-Sep-25	
KR	10-2019-7012747	2017-Sep-25	
US	16/339716	2017-Sep-25	

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Country	Application No.	Filing Date	Patent No.
WO	PCT/EP17/074224	2017-Sep-25	
CN	201780061609.1	2017-Sep-28	
EP	16306306.8	2016-Oct-05	
EP	17772442.4	2017-Sep-28	
JP	2019-516136	2017-Sep-28	
KR	10-2019-7012582	2017-Sep-28	
US	16/336261	2019-Mar-25	
WO	PCT/EP17/074694	2017-Sep-28	
CN	201780068190.2	2017-Aug-31	
EP	16306307.6	2016-Oct-05	
EP	17761858.4	2017-Aug-31	
JP	2019-517817	2017-Aug-31	
KR	10-2019-7012587	2017-Aug-31	
US	16/340064	2017-Aug-31	
WO	PCT/EP17/071847	2017-Aug-31	
EP	17305033.7	2017-Jan-11	
EP	17822702.1	2017-Dec-26	
US	16/477,514	2017-Dec-26	
WO	PCT/EP17/084587	2017-Dec-26	
CN	201880011374.X	2018-Jan-05	
EP	17305035.2	2017-Jan-11	
EP	18700079.9	2018-Jan-05	

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Country	Application No.	Filing Date	Patent No.
JP	2019-536857	2018-Jan-05	
MX	MX/A/19/008321	2018-Jan-05	
US	16/477,016	2019-Jul-10	
WO	PCT/EP18/050294	2018-Jan-05	
CN	201780087186.0	2017-Dec-26	
EP	17305001.4	2017-Jan-03	
EP	17822700.5	2017-Dec-26	
US	16/475331	2017-Dec-26	
WO	PCT/EP17/084585	2017-Dec-26	
CN	201780086607.8	2017-Dec-26	
EP	17305002.2	2017-Jan-03	
EP	17822701.3	2017-Dec-26	
US	16/475,345	2017-Dec-26	
WO	PCT/EP17/084586	2017-Dec-26	
CN	201880044002.7	2018-May-17	
EP	17305626.8	2017-May-31	
EP	17306011.2	2017-Jul-28	
EP	18305335.4	2018-Mar-26	
EP	18725502.1	2018-May-17	
JP	2019-565239	2018-May-17	
MX	MX/A/19/014443	2018-May-17	
US	16/618,390	2018-May-17	

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Country	Application No.	Filing Date	Patent No.
WO	PCT/EP18/062876	2018-May-17	
CN	201880042979.5	2018-May-30	
EP	17305635.9	2017-May-31	
EP	18726493.2	2018-May-30	
US	16/617,180	2018-May-30	
WO	PCT/EP18/064186	2018-May-30	
CN	201880045513.0	2018-May-29	
EP	17305639.1	2017-May-31	
EP	18727797.5	2018-May-29	
US	16/612,519	2018-May-29	
WO	PCT/EP18/064050	2018-May-29	
CN	2017P00083WOCN	2018-Jun-25	
EP	17305795.1	2017-Jun-26	
EP	18734519.4	2018-Jun-25	
US	16/621,184	2018-Jun-25	
WO	PCT/EP18/066869	2018-Jun-25	
CN	201880044492.0	2018-Jun-25	
EP	17305794.4	2017-Jun-26	
EP	17305921.3	2017-Jul-12	
EP	18734521.0	2018-Jun-25	
US	16/624472	2018-Jun-25	
WO	PCT/EP18/066880	2018-Jun-25	

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Country	Application No.	Filing Date	Patent No.
CN	201880060233.7	2018-Aug-29	
EP	17306105.2	2017-Aug-29	
EP	18766109.5	2018-Aug-29	
JP	2020-508521	2018-Aug-29	
MX	MX/A/2020/002131	2018-Aug-29	
US	16/642,514	2018-Aug-29	
WO	PCT/US18/048427	2018-Aug-29	
CN	201880057643.6	2018-Jul-10	
EP	17305997.3	2017-Jul-25	
EP	18739837.5	2018-Jul-10	
US	16/634,142	2018-Jul-10	
WO	PCT/EP18/068621	2018-Jul-10	
CN	201880045167.6	2018-Jul-02	
EP	17305884.3	2017-Jul-06	
EP	18737866.6	2018-Jul-02	
US	16/628,676	2018-Jul-02	
WO	PCT/EP18/067847	2018-Jul-02	
BR	112020003220.4	2018-Aug-31	
CN	201880056231.0	2018-Aug-31	
EP	17306121.9	2017-Aug-31	
EP	18769568.9	2018-Aug-31	
KR	10-2020-7005625	2018-Aug-31	

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Country	Application No.	Filing Date	Patent No.
US	16/642,554	2018-Aug-31	
WO	PCT/US18/049006	2018-Aug-31	