505913819 02/12/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5960536

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THOMSON LICENSING	07/30/2018

RECEIVING PARTY DATA

Name:	INTERDIGITAL VC HOLDINGS, INC.		
Street Address:	200 BELLEVUE PKWY,		
Internal Address:	SUITE 300		
City:	WILMINGTON		
State/Country:	DELAWARE		
Postal Code:	19809		

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16784124	

CORRESPONDENCE DATA

Fax Number: (609)212-2990

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: 609-436-5847

Email: kathleen.lyles@interdigital.com

Correspondent Name: LILY NEFF

Address Line 1: 200 BELLEVUE PKWY,

Address Line 2: SUITE 300

Address Line 4: WILMINGTON, DELAWARE 19809

ATTORNEY DOCKET NUMBER:	2014P00017 US
NAME OF SUBMITTER:	KATHLEEN LYLES
SIGNATURE:	/KATHLEEN LYLES/
DATE SIGNED:	02/12/2020

Total Attachments: 4

source=2014P00017 US VC_Comfirmatory_Assignment_TL_to_IDVC#page1.tif source=2014P00017 US VC_Comfirmatory_Assignment_TL_to_IDVC#page2.tif source=2014P00017 US VC_Comfirmatory_Assignment_TL_to_IDVC#page3.tif source=2014P00017 US VC_Comfirmatory_Assignment_TL_to_IDVC#page4.tif

PATENT 505913819 REEL: 051804 FRAME: 0092

EXHIBIT A

Recordable Confirmatory Patent Assignment

THIS PATENT ASSIGNMENT ("Assignment"), effective as of July 30, 2018, is made by and between THOMSON LICENSING SAS, a *société par actions simplifiée* organized under the Laws of the French Republic (hereinafter "ASSIGNOR"); and INTERDIGITAL VC HOLDINGS, INC., a Delaware corporation (hereinafter "ASSIGNEE").

WHEREAS:

- A **ASSIGNOR** is the sole owner of the patents and/or patent applications listed in the attached Appendix A (hereinafter "the **PATENTS**"); and
- B **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, **ASSIGNOR** has sold, assigned and transferred, and does hereby confirm the sale, assignment and transfer to **ASSIGNEE** of all of **ASSIGNOR's** right, title and interest in and to (i) the **PATENTS**; (ii) all patents and patent applications linked to the **PATENTS** through one or more claims of priority pursuant to 35 U.S.C. §§ 120 or 119(e) (the equivalent laws or regulation of any other patent authority) or that are, or are entitled to be, foreign counterparts, reissues, divisionals, renewals, revivals, reissues, reexaminations, extensions, continuations or continuations-in-part with respect to any other patent or patent applications in such set of the **PATENTS**, and (iii) the right to sue for and recover damages for any past, present or future infringement of the **PATENTS**, 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, to the end of the term or terms thereof as fully and entirely as the same would have been held and enjoyed by **ASSIGNOR**, if this assignment and sale had not been made.

IN WITNESS WHEREOF, **ASSIGNOR** has caused this Recordable Patent Assignment to be signed by its duly appointed officer having full authority in the circumstances; and **ASSIGNEE** has caused this Recordable Patent Assignment to be signed by its duly appointed officer having full authority in the circumstances.

(Signatures on the next page.)

PATENT REEL: 051804 FRAME: 0093

SIGNED for and on behalf of THOMSON LICENSING SAS By (Signature) (Date) Adrien Cadieux, Duly authorized (Print Name and Title) State of NEW York County of New York On this 23rd day of July , 2018 before me, Action (adieux , personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the instrument and acknowledged to me that he/she executed the same in his/her authorized capacity and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of New York that the foregoing paragraph is true and correct. WITNESS my hand and official seal.

HANNAH SCHARTZ

Notary Press, State of New York

No. 01 SC6363663

Cuelfied in New York County

Commission Expires August 21, 2021

SIGNED for and on behalf of

INTERDIGITAL VC HOLDINGS, INC.

By on (Signature) (Date)

| Description of Message of County of New Castles of County of New Castles of Personally appeared | Description of the State of County of New Castles of County of New Castles of Personally appeared | Description of the State of County of New Castles of Personally appeared | Description of the State of County of New Castles of Personally appeared | Description of the State of County of New Castles of Personally appeared | Description of the Instrument and acknowledged to me that he/she executed the same in his/her authorized capacity and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Description of the State of Description

Jeremy Daley Schroepfer Holdy Public Side of Delembe

[Signature Page to the VC PALA Recordable Confirmatory Patent Assignment]

PF140046-CN-PCT	CN	2/23/2015	201580010295.3
PF140046-EP-EPT	EP	2/23/2015	15706784.4
PF140046-HK-FPR[2]	HK	6/22/2017	17106232.6
PF140046-JP-PCT	JP	2/23/2015	2016-549549
PF140046-KR-PCT	KR	2/23/2015	10-2016-7023235
PF140046-TW-NP	TW	2/26/2015	104106411
PF140046-US-PCT	US	2/23/2015	15/122149
PF140057-CN-PCT	CN	2/23/2015	201580010418.3
PF140057-EP-EPT	EP	2/23/2015	15706769.5
PF140057-HK-FPR[2]	HK	6/21/2017	17106168.4
PF140057-JP-PCT	JP	2/23/2015	2016-554199
PF140057-KR-PCT	KR	2/23/2015	10-2016-7022793
PF140057-US-PCT	US	2/23/2015	15/119884
PF140060-CN-PCT	CN	6/17/2015	201580038082.1
PF140060-EP-EPT	EP	6/17/2015	15729836.5
PF140060-JP-PCT	JP	6/17/2015	2016-573858
PF140060-KR-PCT	KR	6/17/2015	10-2016-7035986
PF140060-TW-NP	TW	6/24/2015	104120216
PF140060-US-PCT	US	6/17/2015	15/322111
PF140101-AU-PCT	AU	7/20/2015	2015294052
PF140101-BR-PCT	BR	7/20/2015	BR1120170009927
PF140101-CN-PCT	CN	7/20/2015	201580040166.9
PF140101-EP-EPT	EP	7/20/2015	15736852.3
PF140101-HK-FPR	HK	11/27/2017	17112437.7
PF140101-JP-PCT	JP	7/20/2015	2017-503115
PF140101-KR-PCT	KR	7/20/2015	10-2017-7001827
PF140101-MX-PCT	MX	7/20/2015	MX/a/17/000846
PF140101-TW-NP	TW	7/17/2015	104123152
PF140101-US-PCT	US	7/20/2015	15/328043
PF140102-CN-PCT	CN	12/3/2015	201580072586.5
PF140102-EP-EPT	EP	12/3/2015	15804780.3
PF140102-JP-PCT	JP	12/3/2015	2017-529325
PF140102-KR-PCT	KR	12/3/2015	10-2017-7015580
PF140102-US-PCT	US	12/3/2015	15/533778
PF140103-CN-PCT	CN	6/27/2016	201680050362.9
PF140103-EP-EPT	EP	6/27/2016	16733456.4
PF140103-JP-PCT	JP	6/27/2016	2017-567607
PF140103-KR-PCT	KR	6/27/2016	1020177037683
PF140103-US-PCT	US	6/27/2016	15/741251
PF140104-EP-EPT	EP	8/21/2015	15754199.6
PF140104-US-PCT	US	8/21/2015	15/505242
PF140107-CN-NP	CN	4/8/2016	201610216709.4
PF140107-EP-EPA	EP	4/9/2015	15305520.7
PF140107-JP-NP	JP	4/11/2016	2016-078891
PF140107-KR-NP	KR	4/8/2016	2016-0043552
PF140107-US-NP	US	4/6/2016	15/092587
PF140108-EP-EPA	EP	6/16/2014	14305920.2

RECORDED: 02/12/2020

PATENT REEL: 051804 FRAME: 0096