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| PATENT ASSIGNMENT COVER SHEET |
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 Stylesheet Version v1.2

EPAS ID: PAT5897495

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| 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 PARKWAY |
| Internal Address: | SUITE 300 |
| City: | WILMINGTON |
| State/Country: | DELAWARE |
| Postal Code: | 19809 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16720609 |
| 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: | 6093758214 |
| Email: | brian.pritchett@interdigital.com |
| Correspondent Name: | BRIAN J. DORINI, INTERDIGITAL |
| Address Line 1: | 4 RESEARCH WAY, FLOOR 3 |
| Address Line 4: | PRINCETON, NEW JERSEY 08540 |
| ATTORNEY DOCKET NUMBER: | PU100130 US CNT4 |
| NAME OF SUBMITTER: | RONALD KOLCZYNSKI |
| SIGNATURE: | /Ronald Kolczynski/ |
| DATE SIGNED: | 01/07/2020 |
| Total Attachments: 4 | |
| source=PU100130_US_CNT4_ASSIGNMENT_TL_TO_ID_VC_USE_RESUBMISSION#page1.tif | |
| source=PU100130_US_CNT4_ASSIGNMENT_TL_TO_ID_VC_USE_RESUBMISSION#page2.tif | |
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| source=PU100130_US_CNT4_ASSIGNMENT_TL_TO_ID_VC_USE_RESUBMISSION#page4.tif | |

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**.

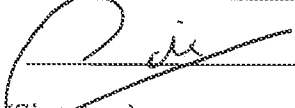
NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, **ASSIGNOR** has sold, assigned and transferred, and does hereby confirm the sale, assignment and transfer to **ASSIGNEE** of all of **ASSIGNOR**'s right, title and interest in and to (i) the **PATENTS**; (ii) 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.)

SIGNED for and on behalf of

THOMSON LICENSING SAS

By 
(Signature)

on 02/23/18
(Date)

Adrien Cadieux, Duly authorized
(Print Name and Title)

State of New York

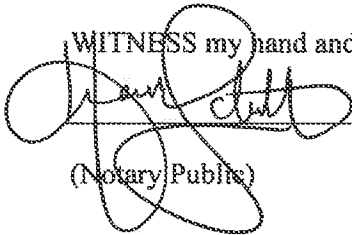
County of New York

On this 23rd day of July, 2018 before me,
Adrien Cadieux, 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.


(Notary Public)

HANNAH SCHLITZ
Notary Public, State of New York
No. 01808363853
Qualified in New York County
Commission Expires August 21, 2021

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

PATENT
REEL: 057280 FRAME: 0300

SIGNED for and on behalf of

INTERDIGITAL VC HOLDINGS, INC.

By [Signature] on _____

(Signature)

(Date)

Timothy J. Berghuis, Interim President
(Print Name and Title)

State of Delaware

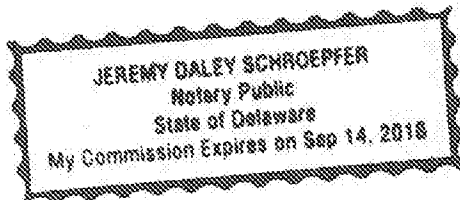
County of New Castle

On this _____ day of _____, 2018 before me,
Jeremy Daley Schroepfer, personally appeared
Timothy J. Berghuis, 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 Delaware that the
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Signature]
(Notary Public)



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

PATENT
REEL: 057280 FRAME: 0360

| <u>Case Reference</u> | <u>Acquired Video Coding Patent vs. Organic</u> | <u>Country</u> | <u>Filing Date</u> | <u>Serial Number</u> | <u>Issue Date</u> | <u>Patent Number</u> |
|-------------------------------|---|----------------|-----------------------|----------------------|-----------------------|----------------------|
| PU100125-US-CNT | organic | US | 6/13/2018 | 16/006914 | | |
| PU100125-US-DIV | organic | US | 10/17/2016 | 15/295354 | 7/10/2018 | 10021412 |
| PU100125-US-PCT | organic | US | 5/17/2011 | 13/698468 | 11/29/2016 | 9510009 |
| PU100130-AU-PCT | organic | AU | 6/8/2011 | 2011264896 | 12/10/2015 | 2011264896 |
| PU100130-BR-PCT | organic | BR | 6/8/2011 | BR1120120311603 | | |
| PU100130-CA-PCT | organic | CA | 6/8/2011 | 2801409 | | |
| PU100130-CN-DIV | organic | CN | 6/8/2011 | 201610907014.0 | | |
| PU100130-CN-PCT | organic | CN | 6/8/2011 | 201180039208.9 | 11/9/2016 | ZL201180039208.9 |
| PU100130-EP-EPT | organic | EP | 6/8/2011 | 11727593.3 | | |
| PU100130-EP-ETD | organic | EP | 7/19/2017 | 17182141.6 | | |
| PU100130-HK-FPR | organic | HK | 12/10/2013 | 13113711.6 | 2/2/2018 | 1186609 |
| PU100130-ID-PCT | organic | ID | 6/8/2011 | W00201205080 | 4/18/2017 | IDP000045470 |
| PU100130-JP-DIV | organic | JP | 3/9/2016 | 2016-045330 | 9/15/2017 | 6209235 |
| PU100130-JP-DIV[2] | organic | JP | 9/6/2017 | 2017-170780 | | |
| PU100130-JP-PCT | organic | JP | 6/8/2011 | 2013-514328 | 4/28/2016 | 5924823 |
| PU100130-KR-DIV | organic | KR | 1/18/2018 | 10-2018-7001691 | | |
| PU100130-KR-PCT | organic | KR | 6/8/2011 | 10-2013-7000630 | 1/19/2018 | 10-1822214 |
| PU100130-MX-DIV | organic | MX | 1/9/2015 | MX/a/15/000445 | 5/17/2016 | 339232 |
| PU100130-MX-DIV[2] | organic | MX | 5/13/2016 | MX/a/16/006314 | | |
| PU100130-MX-DIV[3] | organic | MX | 2/16/2016 | MX/a/16/002080 | | |
| PU100130-MX-PCT | organic | MX | 6/8/2011 | MX/a/12/014478 | 1/12/2015 | 326948 |
| PU100130-MY-DIV | organic | MY | 12/9/2015 | PI2015002901 | | |
| PU100130-MY-NP | organic | MY | 11/23/2012 | PI2012005082 | 5/31/2017 | MY-162191-A |
| PU100130-RU-PCT | organic | RU | 6/8/2011 | 2013100174 | 9/10/2016 | 2597510 |
| PU100130-US-CNT | organic | US | 12/16/2015 | 14/971394 | 8/29/2017 | 9749631 |
| PU100130-US-CNT[2] | organic | US | 7/20/2017 | 15/654823 | | |
| PU100130-US-PCT | organic | US | 6/8/2011 | 13/702519 | 1/12/2016 | 9235774 |
| PU100130-VN-DIV | organic | VN | 5/8/2018 | 1-2018-01955 | | |
| PU100130-VN-PCT | organic | VN | 6/8/2011 | 1-2013-00059 | | |
| PU100130-ZA-DIV | organic | ZA | 7/28/2015 | 2015/05439 | | |
| PU100130-ZA-DIV[2] | organic | ZA | 11/2/2017 | 2017/07434 | | |
| PU100130-ZA-PCT | organic | ZA | 6/8/2011 | 2012/09077 | 3/30/2016 | 2012/09077 |
| PU100170-US-NP | organic | US | 12/8/2010 | 12/928305 | 4/8/2014 | 8693535 |
| PU100192-US-PCT | organic | US | 8/31/2011 | 13/822031 | 1/30/2018 | 9883161 |
| PU100193-CN-PCT | organic | CN | 9/9/2011 | 201180054419.X | 5/11/2016 | ZL201180054419.X |
| PU100193-EP-EPT | organic | EP | 9/9/2011 | 11757723.9 | | |
| PU100193-JP-PCT | organic | JP | 9/9/2011 | 2013-528307 | 3/25/2016 | 5905889 |
| PU100193-KR-PCT | organic | KR | 9/9/2011 | 10-2013-7009080 | 4/30/2018 | 10-1855542 |
| PU100193-US-PCT | organic | US | 9/9/2011 | 13/821257 | | |
| PU100194-BR-PCT | organic | BR | 9/9/2011 | BR1120130053160 | | |