505538361 06/21/2019

# PATENT ASSIGNMENT COVER SHEET

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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 CE PATENT HOLDINGS		
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City:	PARIS		
State/Country:	FRANCE		
Postal Code:	75017		

### **PROPERTY NUMBERS Total: 1**

Property Type	Number		
Application Number:	16098189		

#### **CORRESPONDENCE DATA**

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Address Line 4: PRINCETON, NEW JERSEY 08543

ATTORNEY DOCKET NUMBER:	PF160002
NAME OF SUBMITTER:	KATHLEEN LYLES
SIGNATURE:	/Kathleen Lyles/
DATE SIGNED:	06/21/2019

#### **Total Attachments: 4**

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PATENT 505538361 REEL: 049551 FRAME: 0816

### **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 CE PATENT HOLDINGS, SAS, a *société par actions simplifiée* organized under the laws of the French Republic (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: 049551 FRAME: 0817 SIGNED for and on behalf of

THOMSON LICENSING SAS
By $\frac{3}{18}$ on $\frac{39/23}{18}$ .
(Signature) (Date)
Adrien Cadieux, Duly authorized (Print Name and Title)
State of New York
County of New York
On this 33rd day of July , 2018 before me,  Advice (advicus), 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 <u>New York</u> that the foregoing paragraph is true and correct.
WITNESS my hand and official seal.
(Notary Public)

HANNAH SCHULTZ
Notary Public, State of New York
No. 019C8363663
Gualified in New York County
Commission Expires August 21, 2021

## SIGNED for and on behalf of

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	(Signature)	1		(Date)			
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[Signature Page to the NewCo Patent Agreement Recordable Confirmatory Patent Assignment]

PATENT REEL: 049551 FRAME: 0819

# APPENDIX A

PF150292-KR-PCT	KR	12/29/2016	10-2018-7018547
PF150292-US-PCT	US	12/29/2016	16/067260
PF150292-WO-PCT	WO	12/29/2016	PCT/EP16/082853
PF150294-WO-PCT	WO	5/31/2017	PCT/EP17/063211
PF150316-EP-EPT	EP	12/20/2016	16822664.5
PF150316-US-PCT	US	12/20/2016	16/063286
PF150316-WO-PCT	WO	12/20/2016	PCT/EP16/081830
PF150323-CN-NP	CN	7/10/2017	201710555486.9
PF150323-EP-EPA[2]	EP	7/3/2017	17179265.8
PF150323-JP-NP	JP	6/27/2017	2017-124709
PF150323-KR-NP	KR	7/5/2017	10-2017-0085278
PF150323-US-NP	US	7/8/2017	15/644761
PF150326-CN-NP	CN	2/28/2017	201710248220.X
PF150326-EP-EPA[2]	EP	2/21/2017	17157079.9
PF150326-JP-NP	JP	2/27/2017	2017-034569
PF150326-KR-NP	KR	2/27/2017	10-2017-0025596
PF150326-US-NP	US	2/22/2017	15/439878
PF150331-CN-NP	CN	12/23/2016	201611204600.5
PF150331-EP-EPA	EP	12/24/2015	15307144.4
PF150331-JP-NP	JP	12/15/2016	2016-243131
PF150331-KR-NP	KR	11/23/2016	10-2016-0178289
PF150331-US-NP	US	12/24/2016	15/390499
PF150332-BR-PCT	BR	12/20/2016	BR1120180125768
PF150332-CN-PCT	CN	12/20/2016	PCT/EP16/082014
PF150332-EP-EPT	EP	12/20/2016	16816285.7
PF150332-US-PCT	US	12/20/2016	16/064603
PF150332-WO-PCT	WO	12/20/2016	PCT/EP16/082014
PF150334-TW-NP	TW	1/13/2017	106101080
PF150334-WO-PCT	WO	1/18/2017	PCT/EP17/050937
PF150336-EP-EPA[2]	EP	1/12/2017	17151241.1
PF150336-US-NP	US	1/14/2017	15/406714
PF150337-CN-NP	CN	12/30/2016	201611271049.6
PF150337-EP-EPA	EP	12/30/2015	15307176.6
PF150337-JP-NP	JP	12/26/2016	2016-250869
PF150337-KR-NP	KR	12/27/2016	10-2016-0180055
PF150337-US-NP	US	12/28/2016	15/393207
PF160002-EP-EPA	EP	5/13/2016	16305559.3
PF160002-WO-PCT	WO	5/11/2017	PCT/EP17/061389
PF160007-CN-NP	CN	3/21/2017	201710171848.4
PF160007-EP-EPA[2]	EP	3/14/2017	17160893.8
PF160007-JP-NP	JP	3/17/2017	2017-052101
PF160007-KR-NP	KR	3/20/2017	10-2017-0034952
PF160007-US-NP	US	3/21/2017	15/464974
PF160021-CN-NP	CN	3/14/2017	201710151792.6
PF160021-EP-EPA[2]	EP	2/27/2017	17158159.8
PF160021-JP-NP	JP	3/14/2017	2017-047964
PF160021-KR-NP	KR	3/14/2017	10-2017-0031844

**RECORDED: 06/21/2019** 

PATENT REEL: 049551 FRAME: 0820