

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5761734

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
THOMSON LICENSING DTV SAS	07/23/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	INTERDIGITAL MADISON PATENT HOLDINGS, SAS
<b>Street Address:</b>	3 RUE DU COLONEL MOLL
<b>City:</b>	PARIS
<b>State/Country:</b>	FRANCE
<b>Postal Code:</b>	75017
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16127285
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(866)864-3947
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<b>Phone:</b>	973-828-1284
<b>Email:</b>	patent@myerswolin.com
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<b>Address Line 2:</b>	WEST TOWER, 7TH FLOOR
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<b>ATTORNEY DOCKET NUMBER:</b>	THOM 5928A
<b>NAME OF SUBMITTER:</b>	BRIAN S. MYERS
<b>SIGNATURE:</b>	/Brian S. Myers/
<b>DATE SIGNED:</b>	10/09/2019
<b>Total Attachments: 3</b>	
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**EXHIBIT A**

**Recordable Confirmatory Patent Assignment**

THIS PATENT ASSIGNMENT ("Assignment"), effective as of July 30, 2018, is made by and between THOMSON LICENSING DTV SAS, *société par actions simplifiée* organized under the laws of the French Republic (hereinafter "ASSIGNOR"); and INTERDIGITAL MADISON 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**.

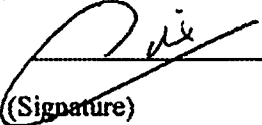
NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, **ASSIGNOR** has sold, assigned and transferred, and does hereby confirm the sale, assignment and transfer to **ASSIGNEE** of all of **ASSIGNOR**'s right, title and interest in and to (i) the **PATENTS**; (ii)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

SIGNED for and on behalf of

**THOMSON LICENSING DTV SAS**

By  on 07/23/18  
(Signature) (Date)

**Adrien Cadieux, Duly authorized**  
(Print Name and Title)

State of NEW YORK

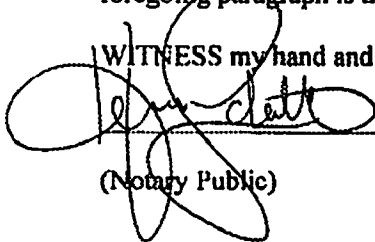
County of NEW YORK

On this 23<sup>rd</sup> day of NEW YORK, 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 SCHULTZ**  
Notary Public, State of New York  
No. 015C0303003  
Qualified in New York County  
Commission Expires August 21, 2021

*[Signature Page to the Madison PALA Recordable Confirmatory Patent Assignment]*

Case Reference	Acquired Madison Patent vs. Organic	Country	Filing Date	Serial Number	Issue Date	Patent Number
PA110018-US-PCT	organic	US	9/22/2011	14/345356		
PA110018-VN-PCT	organic	VN	9/22/2011	1-2014-00789	3/26/2018	18871
PA110021-CN-PCT	organic	CN	6/24/2011	201180071438.3	6/22/2016	ZL201180071438.3
PA110021-DE-EPT	organic	DE	6/24/2011	11868076.8	11/29/2017	2724541
PA110021-FR-EPT	organic	FR	6/24/2011	11868076.8	11/29/2017	2724541
PA110021-JP-PCT	organic	JP	6/24/2011	2014-516160	2/26/2016	5890517
PA110021-KR-PCT	organic	KR	6/24/2011	10-2013-7034170	3/27/2018	10-1844292
PA110021-US-PCT	organic	US	6/24/2011	14/128549	4/5/2016	9307002
PA110023-EP-EPT	organic	EP	12/31/2011	11879026.0		
PA110023-US-PCT	organic	US	12/31/2011	14/369712		
PA110035-EP-EPT	organic	EP	6/19/2012	12802063.3		
PA110035-US-PCT	organic	US	6/19/2012	14/128626	3/22/2016	9292905
PA110042-CN-PCT	organic	CN	12/6/2011	201180075374.4	12/28/2016	ZL201180075374.4
PA110042-EP-EPT	organic	EP	12/6/2011	11877164.1		
PA110042-JP-PCT	organic	JP	12/6/2011	2014-545058	12/4/2015	5846662
PA110042-KR-PCT	organic	KR	12/6/2011	10-2014-7014975		
PA110047-CN-PCT	organic	CN	8/25/2011	201180073045.6	8/15/2017	ZL201180073045.6
PA110047-EP-EPT	organic	EP	8/25/2011	11871284.3		
PA110047-JP-PCT	organic	JP	8/25/2011	2014-526356	3/25/2016	5905099
PA110047-KR-PCT	organic	KR	8/25/2011	10-2014-7004710		
PA110047-US-PCT	organic	US	8/25/2011	14/240066	5/19/2015	9035807
PA110056-CN-PCT	organic	CN	11/3/2011	201180074528.8	1/12/2018	ZL201180074528.8
PA110056-EP-EPT	organic	EP	11/3/2011	11875129.6		
PA110056-JP-PCT	organic	JP	11/3/2011	2014-539204	8/12/2016	5986639
PA110056-KR-PCT	organic	KR	11/3/2011	10-2014-7015022		
PA110056-US-PCT	organic	US	11/3/2011	14/353811	3/27/2018	9930329
PA110074-AU-PCT	organic	AU	11/22/2012	2012344426	7/20/2017	2012344426
PA110074-BR-PCT	organic	BR	11/22/2012	BR1120140115850		
PA110074-CN-PCT	organic	CN	11/22/2012	201280058395.X	5/8/2018	ZL201280058395.X
PA110074-EP-EPT	organic	EP	11/22/2012	12853382.5		
PA110074-HK-FPR	organic	HK	2/13/2015	15101595.0		
PA110074-JP-PCT	organic	JP	11/22/2012	2014-542695	7/21/2017	6178798
PA110074-KR-PCT	organic	KR	11/22/2012	10-2014-7014001		
PA110074-TW-NP	organic	TW	10/19/2012	101138535	5/21/2016	1534760
PA110074-US-PCT	organic	US	11/22/2012	14/360262	6/19/2018	10003794
PA110074-VN-PCT	organic	VN	11/22/2012	1-2014-01574		
PA120012-BR-PCT	organic	BR	4/18/2012	BR1120140256403		
PA120012-CN-PCT	organic	CN	4/18/2012	201280072401.7	1/2/2017	ZL201280072401.7
PA120012-EP-EPT	organic	EP	4/18/2012	12874800.1		