

PATENT ASSIGNMENT COVER SHEET

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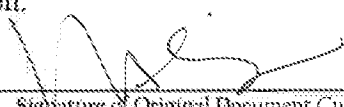
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NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	THOMSON LICENSING	08/10/2016
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PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16019288
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DATE SIGNED:	07/30/2018	
Total Attachments: 12		
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On September 12, 2016, before me, Maxwell V. Adams, Notary Public, personally appeared
Mi Kyong Shin

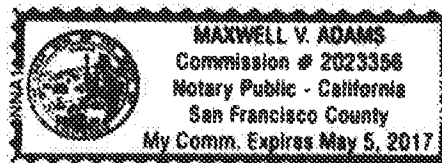
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under Penalty of Perjury under the laws of the State of California that the foregoing paragraph is true and correct.

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OPTIONAL INFORMATION

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AMENDED AND RESTATED WORLDWIDE PATENT ASSIGNMENT

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Case reference	Country	Filing Date	Filing Number	Grant Number
PD100011-AT-EPT	AT	3/25/2011	11709968.9	2553947
PD090047-AU-DIV	AU	10/20/2015	2015246076	
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PD090047-CN-DIV[4]	CN	7/30/2015	201510458595.X	
PD090047-CN-DIV[5]	CN	7/30/2015	201510458980.4	
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CONFIDENTIAL

Case reference	Country	Filing Date	Filing Number	Grant Number
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PD100011-EP-IPA	EP	3/26/2010	10305316.1	
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PD110021-EP-EPA[2]	EP	2/22/2013	13156379.3	
PD110023-EP-EPA	EP	3/22/2013	13305352.0	
PD110023-EP-EPT	EP	3/17/2014	14710567.0	
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PD110040-EP-EPA	EP	11/11/2011	11306472.9	

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Case reference	Country	Filing Date	Filing Number	Grant Number
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PD120015-EP-EPT	EP	5/6/2013	13722362.4	
PD120029-EP-EPA	EP	11/28/2013	13306629.0	
PD120029-EP-EPT	EP	11/18/2014	14800035.9	
PD120031-EP-EPA	EP	7/16/2012	12305861.2	
PD120031-EP-EPT	EP	7/16/2013	13740235.0	
PD120032-EP-EPT	EP	7/16/2013	13737262.9	
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PD120049-EP-EPA	EP	11/29/2012	12306485.9	
PD120049-EP-EPT	EP	11/18/2013	13794863.4	
PD120055-EP-EPA	EP	12/12/2012	12306569.0	
PD120055-EP-EPT	EP	12/4/2013	13801563.1	
PD130001-EP-EPT	EP	1/9/2014	14700272.9	
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PD130003-EP-EPA	EP	2/8/2013	13305156.5	
PD130003-EP-EPT	EP	2/7/2014	14703102.5	
PD130015-EP-EPA	EP	4/29/2013	13305558.2	
PD130015-EP-EPT	EP	4/24/2014	14723023.9	
PD130016-EP-EPA	EP	7/11/2013	13305986.5	
PD130016-EP-EPT	EP	6/24/2014	14732876.9	
PD130032-EP-EPT	EP	5/27/2014	14726386.7	
PD130032-EP-IPAF	EP	6/5/2013	13305756.2	
PD130040-EP-EPT	EP	7/18/2014	14747865.5	
PD130040-EP-IPAF	EP	7/19/2013	13306042.6	
PD130071-EP-EPA	EP	10/23/2013	13290255.2	
PD130071-EP-EPT	EP	10/20/2014	14786876.4	
PD130095-EP-EPA	EP	1/16/2014	14305061.5	
PD130095-EP-IPA	EP	1/8/2014	14305022.7	
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PD140025B-EP-IPAF	EP	3/21/2014	14305412.0	
PD140025C-EP-IPAF	EP	3/21/2014	14305413.8	
PD140027-EP-EPA	EP	4/15/2014	14305559.8	
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PD140044D-EP-IPAF	EP	6/27/2014	14306027.5	
PD140053A-EP-EPA	EP	11/20/2014	14194182.3	

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Case reference	Country	Filing Date	Filing Number	Grant Number
PD140053A-EP-IPA	EP	7/2/2014	14306077.0	
PD140053B-EP-IPA	EP	7/2/2014	14306078.8	
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PD150039-EP-EPA	EP	7/30/2015	15306236.9	
PD150055-EP-IPA	EP	8/31/2015	15306334.2	
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Case reference	Country	Filing Date	Filing Number	Grant Number
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PD090047-RU-PCT	RU	10/1/2010	2012118634	2565501
PD120055-RU-PCT	RU	12/4/2013	2015128090	
PD130015-RU-PCT	RU	4/24/2014	2015150988	
PD130016-RU-PCT	RU	6/24/2014	2016104403	
PD130071-RU-PCT	RU	10/20/2014	2016119533	

Case reference	Country	Filing Date	Filing Number	Grant Number
PD100011-SE-EPT	SE	3/25/2011	11709968.9	2553947
PD100050-SE-EPT	SE	10/26/2011	11776422.5	2636036
PD100011-TR-EPT	TR	3/25/2011	11709968.9	TR201406644
PD090047-TW-DIV	TW	12/24/2015	104143481	
PD090047-TW-NP	TW	10/1/2010	099133448	
PD100050-TW-NP	TW			
PD110023-TW-NP	TW	3/21/2014	103110577	
PD120015-TW-NP	TW	5/3/2013	102115828	
PD120031-TW-NP	TW	7/12/2013	102125017	
PD120033-TW-NP	TW	7/19/2013	102125847	
PD120049-TW-NP	TW	11/8/2013	102140593	
PD120055-TW-NP	TW	12/5/2013	102144508	
PD130001-TW-NP	TW	1/10/2014	103100879	
PD130003-TW-NP	TW	2/10/2014	103104224	
PD130016-TW-NP	TW	7/4/2014	103123079	
PD130040-TW-NP	TW	7/16/2014	103124331	
PD130071-TW-NP	TW	10/17/2014	103135906	
PD140025A-TW-NP	TW	3/20/2015	104108896	
PD140027-TW-NP	TW	3/24/2015	104109277	
PD140044A-TW-NP	TW	6/26/2015	104120626	
PD140044B-TW-NP	TW	6/26/2015	104120627	
PD140044C-TW-NP	TW	6/26/2015	104120628	
PD140044D-TW-NP	TW	6/26/2015	104120629	
PD140053A-TW-NP	TW	7/1/2015	104121237	
PD140054A-TW-NP	TW	7/1/2015	104121236	
PD140063-TW-NP	TW	8/21/2015	104127242	
PD140080-TW-NP	TW	10/2/2015	104132462	
PD120029-US-PCT	US	11/18/2014	15/039887	
PD090047-VN-PCT	VN	10/1/2010	1-2012-00912	
PD100011-VN-PCT	VN	3/25/2011	1-2012-03174	
PD100050-VN-PCT	VN	10/26/2011	1-2013-01681	
PD110023-VN-PCT	VN	3/17/2014	1-2015-04000	
PD120015-VN-PCT	VN	5/6/2013	1-2014-03547	
PD120032-VN-PCT	VN	7/16/2013	1-2015-00164	
PD130016-VN-PCT	VN	6/24/2014	1-2016-00140	
PD130071-VN-PCT	VN	10/20/2014	1-2016-01079	
PD960073-VN-PCT	VN	10/25/1997	S19990341	1649
PD130095-WO-PCT	WO	12/19/2014	PCT/EP14/078641	
PD140025A-WO-PCT	WO	3/20/2015	PCT/EP15/055914	
PD140025B-WO-PCT	WO	3/20/2015	PCT/EP15/055916	
PD140025C-WO-PCT	WO	3/20/2015	PCT/EP15/055917	
PD140027-WO-PCT	WO	3/24/2015	PCT/EP15/056206	

Case reference	Country	Filing Date	Filing Number	Grant Number
PD140044A-WO-PCT	WO	6/22/2015	PCT/EP15/063912	
PD140044B-WO-PCT	WO	6/22/2015	PCT/EP15/063914	
PD140044C-WO-PCT	WO	6/22/2015	PCT/EP15/063917	
PD140044D-WO-PCT	WO	6/22/2015	PCT/EP15/063919	
PD140053A-WO-PCT	WO	7/2/2015	PCT/EP15/065082	
PD140053B-WO-PCT	WO	7/2/2015	PCT/EP15/065084	
PD140053C-WO-PCT	WO	7/2/2015	PCT/EP15/065085	
PD140054A-WO-PCT	WO	7/2/2015	PCT/EP15/065086	
PD140054B-WO-PCT	WO	7/2/2015	PCT/EP15/065089	
PD140063-WO-PCT	WO	8/19/2015	PCT/EP15/069077	
PD140080-WO-PCT	WO	9/25/2015	PCT/EP15/072064	
PD150039-WO-PCT	WO			
PD150055-WO-PCT	WO	3/1/2016	PCT/EP16/054317	
PF150113-WO-PCT	WO	4/6/2016	PCT/EP16/057541	
PD090047-ZA-PCT	ZA	10/1/2010	2012/01402	2012/01402
PD130016-ZA-PCT	ZA	6/24/2014	2015/08710	
PD130071-ZA-PCT	ZA	10/20/2014	2016/01779	
PD090047-WO-PCT	WO	10/1/2010	PCT/EP10/064644	
PD100011-WO-PCT	WO	3/25/2011	PCT/EP11/054644	
PD100050-WO-PCT	WO	10/26/2011	PCT/EP11/068782	
PD110023-WO-PCT	WO	3/17/2014	PCT/EP14/055313	
PD110039-WO-PCT	WO	10/31/2012	PCT/EP12/071535	
PD110040-WO-PCT	WO	10/31/2012	PCT/EP12/071537	
PD110047-WO-PCT	WO	10/31/2013	PCT/EP13/072821	
PD120015-WO-PCT	WO	5/6/2013	PCT/EP13/059363	
PD120029-WO-PCT	WO	11/18/2014	PCT/EP14/074903	
PD120031-WO-PCT	WO	7/16/2013	PCT/EP13/065032	
PD120032-WO-PCT	WO	7/16/2013	PCT/EP13/065034	
PD120033-WO-PCT	WO	7/19/2013	PCT/EP13/065343	
PD120049-WO-PCT	WO	11/18/2013	PCT/EP13/074039	
PD120055-WO-PCT	WO	12/4/2013	PCT/EP13/075559	
PD130001-WO-PCT	WO	1/9/2014	PCT/EP14/050316	
PD130003-WO-PCT	WO	2/7/2014	PCT/EP14/052479	
PD130015-WO-PCT	WO	4/24/2014	PCT/EP14/058380	
PD130016-WO-PCT	WO	6/24/2014	PCT/EP14/063306	
PD130032-WO-PCT	WO	5/27/2014	PCT/EP14/060959	
PD130040-WO-PCT	WO	7/18/2014	PCT/EP14/065517	
PD130071-WO-PCT	WO	10/20/2014	PCT/EP14/072411	

; and

Whereas, Dolby International AB, a Swedish corporation resident in the Netherlands with a business address of Apollo Building, 3E, Herikerbergweg 1-35, 1101 CN Amsterdam Zuidoost,

The Netherlands (hereinafter "Purchaser"), is desirous of acquiring the entire right, title and interest in, to and under the Assigned Patents.

Now, therefore, for good and valuable consideration, the receipt of which is hereby acknowledged, as of June 3, 2016, Seller hereby irrevocably sells, conveys, transfers, assigns and delivers to Purchaser, and Purchaser acquires from Seller, subject to certain rights retained by or granted to Seller all right, title and interest in and to (i) all Assigned Patents, (ii) all claims, causes of action and enforcement rights of any kind, and all rights to sue for past, present or future infringement of any of the Assigned Patents and to collect and retain any and all damages, costs, profits, injunctive relief and other remedies for or relating to any such past, present or future infringement of the Assigned Patents or any and all claims relating thereto, (iii) all rights to collect royalties, license fees or other amounts with respect to the Assigned Patents, and (iv) all rights (but no obligation) to apply for, file, register, maintain, prosecute, extend, renew, enforce, license and otherwise exploit in any or all countries of the world patents, patent applications, certificates of invention, utility models, industrial design protection, design patent protection and other governmental grants or issuances of any kind related to any and all of the Assigned Patents (including, without limitation, all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, substitutions, requests for continuing examinations, divisions, divisionals, counterparts and other applications, worldwide, based in whole or in part thereon) and any and all of inventions as and to the extent claimed therein, in each case, without any requirement for Purchaser to seek or obtain any consent or other approval from or otherwise inform Seller.

Seller does hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America or equivalent authority elsewhere in the world to issue Letters Patent, as shall be granted based upon the Assigned Patents (including, without limitation, any divisional, continuing, reissue or other application based in whole or in part thereon), to the Purchaser, its successors and assigns.

Seller and Purchaser hereby agree and intend that this Amended and Restated Worldwide Patent Assignment shall replace and supersede that certain Worldwide Patent Assignment, with substantially identical subject matter, executed by Seller and Purchaser on or about June 6, 2016. This assignment may be executed in one or more counterparts, each of which shall be deemed an original, and all of which shall constitute one and the same agreement. Copies of executed counterparts transmitted by facsimile, email or other electronic transmission shall be considered original executed counterparts; provided that receipt of copies of such counterparts is confirmed.

[Signature page follows]

CONFIDENTIAL

IN WITNESS WHEREOF, THE PARTIES, BY THEIR DULY AUTHORIZED REPRESENTATIVES, HAVE EXECUTED THIS ASSIGNMENT.

Thomson Licensing, Seller

By: Richard G. Green

Title: duly authorized

Date: 8-10-2016

Dolby International AB, Purchaser

By: [Signature]

Title: Registered Sales Director

Date: September 5, 2016

[to be completed by notary public]

On this 10 day of August, before me, Kathleen J. Lyles, the undersigned Notary Public, personally appeared Richard G. Green, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same.

[Signature]
Signature of Notary Public

(Seal)

Kathleen J. Lyles
Printed Name of Notary

KATHLEEN J LYLES
Notary Public
STATE OF NEW JERSEY
My Commission Expires 06-11-2020

[Signature Page to the Amended and Restated Worldwide Patent Assignment]

PATENT
REEL: 046501 FRAME: 0782



BAKER & MCKENZIE

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Attorneys at law, Tax advisors
and Civil-law notaries

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1000 CS Amsterdam
The Netherlands

Tel: +31 20 551 7555
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Seen by me, Jannetta Cornelia de Schipper, acting as a substitute of Kim Francis Tan,
civil-law notary in Amsterdam, the Netherlands, for legalization of the signature of:

Siegfried Gustav Franz Söllner, born in Kemnath, Germany, on October 10, 1968, holder
of a German passport with number C4VR0J8WR and valid until January 2, 2024,

which person is managing director with sole representative authority of
Dolby International AB, a company organized under the laws of Sweden, having its
corporate seat in Stockholm, Sweden and also registered with the Dutch Trade Register of
the Chamber of Commerce in the Netherlands, under number 17272504 (the
“Company”), and as such is authorized to solely represent the Company.

This statement is based on the information from an on-line trade register extract of the
Company dated September 8, 2016 and explicitly contains no judgment as to the content
of this document.

Amsterdam, the Netherlands, September 8, 2016.

