

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>HANNO BASSE</td> <td>10/03/2007</td> </tr> <tr> <td>ASPANDYAR M. JIJINA</td> <td>09/28/2007</td> </tr> <tr> <td>RAYNOLD M. KAHN</td> <td>09/19/2007</td> </tr> </tbody> </table>		Name	Execution Date	HANNO BASSE	10/03/2007	ASPANDYAR M. JIJINA	09/28/2007	RAYNOLD M. KAHN	09/19/2007
Name	Execution Date								
HANNO BASSE	10/03/2007								
ASPANDYAR M. JIJINA	09/28/2007								
RAYNOLD M. KAHN	09/19/2007								
RECEIVING PARTY DATA									
Name:	THE DIRECTV GROUP, INC.								
Street Address:	2230 E. IMPERIAL HIGHWAY								
Internal Address:	CA / LA5 / A109								
City:	EL SEGUNDO								
State/Country:	CALIFORNIA								
Postal Code:	90245								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14047932</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14047932				
Property Type	Number								
Application Number:	14047932								
CORRESPONDENCE DATA									
Fax Number:	(310)964-0941								
Phone:	310-964-0735								
Email:	karen.lum@directv.com								
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>									
Correspondent Name:	THE DIRECTV GROUP, INC.								
Address Line 1:	2230 E. IMPERIAL HIGHWAY								
Address Line 2:	CA / LA5 / A109								
Address Line 4:	EL SEGUNDO, CALIFORNIA 90245								
ATTORNEY DOCKET NUMBER:	PD-205012A								
NAME OF SUBMITTER:	KAREN L. LUM								

Signature:	/Karen L. Lum/
Date:	10/08/2013
Total Attachments: 3 source=PD-205012-Assignment#page1.tif source=PD-205012-Assignment#page2.tif source=PD-205012-Assignment#page3.tif	



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ASSIGNMENT

PD-205012

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ASSIGNMENT

WHEREAS, HANNO BASSE, ASPANDYAR M. JIJINA and RAYNOLD M. KAHN, as below named joint inventors of the city and state as stated below next to our names, have invented a(an) **DIGITAL STORAGE MEDIA COMMAND AND CONTROL DATA INDEXING** for which application for Letters Patent of the United States was filed on June 18, 2007 as Serial No. 11/820,205, and which application claims benefit of U.S. provisional application with Serial No. 60/814,450 filed on June 16, 2006.

WHEREAS, The DIRECTV Group, Inc. (hereinafter referred to as the "Company"), a Delaware Corporation, having its principal place of business in El Segundo, California, is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefore in the United States and throughout the world;

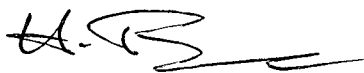
NOW, THEREFORE, in consideration of the obligations voluntarily assumed by us and set forth in invention agreements between us and our employer, effective the date as stated below next to our names, and other good and valuable consideration, receipt of which is hereby acknowledged, we do hereby sell, assign and transfer to the Company, its successors, assigns or other legal representatives, the entire and exclusive right, title and interest in and to said invention invented by us, to said application and any and all applications which are continuations, continuations-in-part, divisions or substitutes of said application and any and all Letters Patent that may be granted therefore in the United States and throughout the world on any of said applications and to any and all reexaminations, reissues, renewals or extensions of said Letters Patent in the United States and throughout the world for the full term or terms for which said Letters patent may be granted in the United States and throughout the world; authorize and request The Commissioner of Patents and Trademarks of the United States and all foreign countries to issue all such Letters Patent to said Company, its successors, assigns or other legal representatives; covenant that no assignment, sale, agreement, transfer or encumbrance has been, or will be, made or entered into which would conflict with this assignment, sale and transfer; and agree to communicate to the Company, its successors, assigns or other legal representatives, upon request and at no cost or expense to us, any facts known by us respecting said invention, do all lawful acts, including the execution and delivery of all papers and proper oaths and giving of testimony that is deemed necessary or desirable by the Company, its successors, assigns or other legal representatives with regard to said invention for protecting, obtaining, maintaining and enforcing any and all of said Letters Patent in the United States and throughout the world for said invention and for perfecting, affirming, recording and maintaining the title of the Company, its successors, assigns or other legal representatives, and

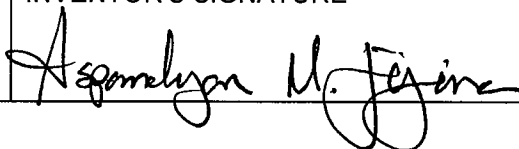
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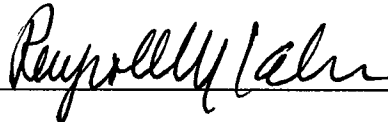
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generally cooperate to the fullest extent in all matters pertaining to said invention, and any and all of said Letters Patent and the title thereto in the Company, its successors, assigns or other legal representatives.

IN WITNESS WHEREOF, we have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
HANNO BASSE		10/3/07
RESIDENCE (CITY AND STATE)		
Santa Monica, California		

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
ASPANDYAR M. JIJINA		9/28/07
RESIDENCE (CITY AND STATE)		
Lomita, California		

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RAYNOLD M. KAHN		9/19/07
RESIDENCE (CITY AND STATE)		
Los Angeles, California		

STATEMENT BY WITNESS

I, Kimberly Ferguson, whose full post office address is
(name of witness)

721 MILWOOD AVE VENICE, CA 90291
(address of witness)

was personally present and did see HANNO BASSE, who is known to me, execute the above assignment.

KIMBERLY FERGUSON
(signature of witness)

STATEMENT BY WITNESS

I, KAREN LUM, whose full post office address is
(name of witness)

2230 E. IMPERIAL HIGHWAY, EL SEGUNDO, CA 90245
(address of witness)

was personally present and did see **ASPANDYAR M. JIJINA**, who is known to me, execute the above assignment.

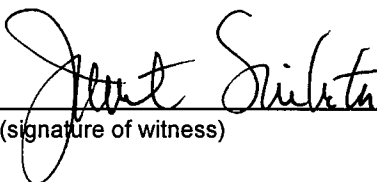

(signature of witness)

STATEMENT BY WITNESS

I, Janet Shibata, whose full post office address is
(name of witness)

2230 E. Imperial Highway, El Segundo CA 90245
(address of witness)

was personally present and did see **RAYNOLD M. KAHN**, who is known to me, execute the above assignment.


(signature of witness)