

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4422626

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RAYNOLD M. KAHN	05/11/2006
STEPHEN P. DULAC	05/11/2006
HANNO BASSO	05/11/2006
PETER M. KLAUSS	05/11/2006
DEANNA R. KIDD	05/11/2006
MARIA G. POPOLI	05/11/2006
RECEIVING PARTY DATA	
Name:	THE DIRECTV GROUP, INC.
Street Address:	2230 E. IMPERIAL HIGHWAY
City:	EL SEGUNDO
State/Country:	CALIFORNIA
Postal Code:	90245
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14671778
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ATTORNEY DOCKET NUMBER:	PD-205052A
NAME OF SUBMITTER:	BRANDON J. DUBE
SIGNATURE:	/Brandon J. Dube/
DATE SIGNED:	05/19/2017

Total Attachments: 3

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**ASSIGNMENT**Page 1 of 3
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WHEREAS, RAYNOLD M. KAHN, STEPHEN P. DULAC, HANNO BASSE, PETER M. KLAUSS, DEANNA R. KIDD AND MARIA G. POPOLI as below named inventors of the cities and states as stated below next to their names, has invented a **METHODS AND APPARATUS TO CONDITIONALLY AUTHORIZE CONTENT DELIVERY AT BROADCAST HEADENDS IN PAY DELIVERY SYSTEMS** for which application for Letters Patent of the United States has been executed by us on this day, or (if the following is completed) filed on March 27, 2015 as Serial No. 14/671,778

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, 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 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, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RAYNOLD M. KAHN RESIDENT (CITY AND STATE) Los Angeles, California	<i>Raynold Kahn</i>	5/11/06

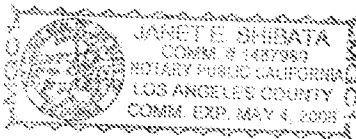
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
STEPHEN P. DULAC RESIDENT (CITY AND STATE) Santa Clarita, California	<i>Stephen P. Dulac</i>	5/11/06

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
HANNO BASSE RESIDENT (CITY AND STATE) Santa Monica, California	<i>Hanno Basse</i>	5/11/06

STATE OF CALIFORNIA)
) SS:
COUNTY OF LOS ANGELES)

On May 11, 2006, before me, JANET E. SHIBATA, a Notary Public in and aforesaid State, personally appeared: RAYNOLD M. KAHN, STEPHEN P. DULAC and HANNO BASSE
 personally known to me or 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.

WITNESS my hand and official seal.



Janet E. Shibata

Notary Public

