PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3332917

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SUI-KY RINGO LING	04/29/2015
RAYNOLD M. KAHN	04/29/2015

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:	14676020	

CORRESPONDENCE DATA

Fax Number: (310)964-0941

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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

Email: janet.shibata@directv.com THE DIRECTV GROUP, INC. Correspondent Name: Address Line 1: 2230 E. IMPERIAL HIGHWAY

Address Line 2: CA/LA5/A109

Address Line 4: EL SEGUNDO, CALIFORNIA 90245

ATTORNEY DOCKET NUMBER:	PD-214253
NAME OF SUBMITTER:	JANET SHIBATA
SIGNATURE:	/Janet Shibata/
DATE SIGNED:	04/29/2015

Total Attachments: 2

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> **PATENT** REEL: 035530 FRAME: 0817 503286299



ASSIGNMENT

WHEREAS, **SUI-KY RINGO LING and RAYNOLD M. KAHN**, as a below named joint inventor of the city and state as stated next to my name, have invented a **METHOD AND SYSTEM FOR PERSONALIZING THE DISPLAY OF RECORDINGS STORED IN A USER RECEIVING DEVICE** for which application for Letters Patent of the United States was filed on April 1, 2015 as U.S. Patent Application Serial No. 14/676,020.

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 me and set forth in invention agreements between me and my employer, effective the date as stated below next to my name, and other good and valuable consideration, receipt of which is hereby acknowledged, I 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 me, to said application and any and all applications which are continuations, continuations-inpart, 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 me, any facts known by me 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.

> PATENT REEL: 035530 FRAME: 0818

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
010170700000000000000000000000000000000		4/20/2010
SUI-KY RINGO LING		77-27/
RESIDENCE (CITY AND STATE)		·
Rancho Palos Verdes, California		

FULL NAME OF SOLE OR JOINT INVENTOR INVENTOR'S SIGNATURE 4/29/2015 RAYNOLD M. KAHN RESIDENCE (CITY AND STATE) Los Angeles, California

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA

) \$8:

COUNTY OF LOS ANGELES

ovil 29,2015 ___ before me, Janet E. Shibata, a Notary Public in and for said State, personally appeared SUI-KY RINGO LING, 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.

WITNESS my hand and official seal.



JANET E. SHIBATA Commission # 1990823 Netary Public - California Los Angeles County My Comm. Expires Oct 9, 2016

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA

COUNTY OF LOS ANGELES

...., before me, Janet E. Shibata, a Notary Public in and for said State, personally appeared RAYNOLD M. KAHN, 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(les), 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.

WITNESS my hand and official seal.

JANET E. SHIBATA Commission # 1990823 Notary Public - California Los Angeles County My Comm. Expires Oct 9, 2016

PATENT REEL: 035530 FRAME: 0819

RECORDED: 04/29/2015