

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
Douglas E. Ribordy		03/26/2008
Daniel M. Miner		03/28/2008
RECEIVING PARTY DATA		
Name:	The DIRECTV Group, Inc.	
Street Address:	2230 E. Imperial Highway	
Internal Address:	P. O. Box 956	
City:	El Segundo	
State/Country:	CALIFORNIA	
Postal Code:	90245	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	11853742	
CORRESPONDENCE DATA		
Fax Number:	(310)964-0941	
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>		
Email:	janet.shibata@directv.com	
Correspondent Name:	The DIRECTV Group, Inc.	
Address Line 1:	P. O. Box 956	
Address Line 2:	CA/LA1/A109	
Address Line 4:	El Segundo, CALIFORNIA 90245	
ATTORNEY DOCKET NUMBER:	PD-207085	
NAME OF SUBMITTER:	Janet Shibata	
Total Attachments: 2 source=PD-207085-Assignment#page1.tif source=PD-207085-Assignment#page2.tif		

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ASSIGNMENT


WHEREAS, DOUGLAS E. RIBORDY and DANIEL M. MINER, as below named joint inventors of the city and state as stated below next to their names, have invented a(an) **METHOD AND SYSTEM FOR OPERATING A RECEIVING CIRCUIT FOR MULTIPLE TYPES OF INPUT CHANNEL SIGNALS** for which application for Letters Patent of the United States has been filed on September 11, 2007, as Serial No. 11/853,742.

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 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
DOUGLAS E. RIBORDY		3/28/08
RESIDENCE (CITY AND STATE)		
Emeryville, California		

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
DANIEL M. MINER		3/28/08
RESIDENCE (CITY AND STATE)		
Redondo Beach, California		

STATEMENT BY WITNESS

I, KAREN LUM, whose full post office address is 2230 E. Imperial Highway, El Segundo, California 90245
(name of witness) (address of witness)

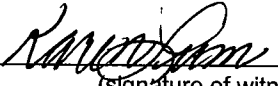
was personally present and did see **DOUGLAS E. RIBORDY**, who is known to me, execute the above assignment.

 3-26-2008
(signature of witness)

STATEMENT BY WITNESS

I, KAREN LUM, whose full post office address is 2230 E. Imperial Highway, El Segundo, California 90245
(name of witness) (address of witness)

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

 3-28-08
(signature of witness)