

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT						
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT						
<b>CONVEYING PARTY DATA</b>							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hoang D. Pham</td> <td>03/25/2008</td> </tr> <tr> <td>Jeanet C. Mika</td> <td>03/28/2008</td> </tr> </tbody> </table>		Name	Execution Date	Hoang D. Pham	03/25/2008	Jeanet C. Mika	03/28/2008
Name	Execution Date						
Hoang D. Pham	03/25/2008						
Jeanet C. Mika	03/28/2008						
<b>RECEIVING PARTY DATA</b>							
<b>Name:</b>	The DIRECTV Group, Inc.						
<b>Street Address:</b>	2230 E. Imperial Highway						
<b>Internal Address:</b>	P. O. Box 956						
<b>City:</b>	El Segundo						
<b>State/Country:</b>	CALIFORNIA						
<b>Postal Code:</b>	90245						
<b>PROPERTY NUMBERS Total: 1</b>							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11853737</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11853737		
Property Type	Number						
Application Number:	11853737						
<b>CORRESPONDENCE DATA</b>							
<b>Fax Number:</b>	(310)964-0941						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
<b>Email:</b>	janet.shibata@directv.com						
<b>Correspondent Name:</b>	The DIRECTV Group, Inc.						
<b>Address Line 1:</b>	P. O. Box 956						
<b>Address Line 2:</b>	CA/LA1/A109						
<b>Address Line 4:</b>	El Segundo, CALIFORNIA 90245						
<b>ATTORNEY DOCKET NUMBER:</b>	PD-207083						
<b>NAME OF SUBMITTER:</b>	Janet Shibata						
<b>Total Attachments: 2</b> source=PD-207083-Assignment#page1.tif source=PD-207083-Assignment#page2.tif							

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**THEDIRECTVGROUP**

PD-207083

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### **ASSIGNMENT**

WHEREAS, HOANG D. PHAM and JEANET C. MIKA, 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 MONITORING A RECEIVING CIRCUIT MODULE AND CONTROLLING SWITCHING TO A BACK-UP RECEIVING CIRCUIT MODULE AT A LOCAL COLLECTION FACILITY FROM A REMOTE FACILITY** for which application for Letters Patent of the United States has been filed on September 11, 2007, as Serial No. 11/853,737.


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;

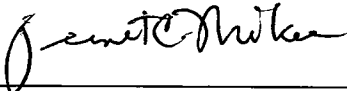
NOW, THEREFORE, in consideration of the obligations voluntarily assumed by us and set forth in invention agreements between us and our employer, effective the date as stated below next to our names, and other good and valuable consideration, receipt of which is hereby acknowledged, we do hereby sell, 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; 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,

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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.

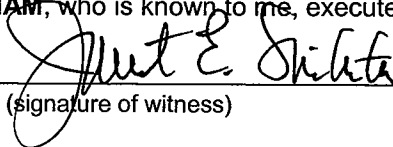
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
HOANG D. PHAM		03/25/2008
RESIDENCE (CITY AND STATE)		
Westminster, California		

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
JEANET C. MIKA		3/28/2008
RESIDENCE (CITY AND STATE)		
Manhattan Beach, California		

STATEMENT BY WITNESS

I, Janet Shibata, 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 **HOANG D. PHAM**, who is known to me, execute the above assignment.

  
(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 **JEANET C. MIKA**, who is known to me, execute the above assignment.

 3-28-08  
(signature of witness)