

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6826631

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BRN PHOENIX, INC.	07/06/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DTV SATELLITE BROADBAND, LLC
<b>Street Address:</b>	2230 E. IMPERIAL HIGHWAY
<b>City:</b>	EL SEGUNDO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	90245
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14041192
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(404)815-6555
<i>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.</i>	
<b>Phone:</b>	4048156500
<b>Email:</b>	landrew@kilpatricktownsend.com
<b>Correspondent Name:</b>	THE DIRECTV GROUP, INC.
<b>Address Line 1:</b>	2260 E. IMPERIAL HWY.
<b>Address Line 4:</b>	EL SEGUNDO, CALIFORNIA 90245
<b>ATTORNEY DOCKET NUMBER:</b>	DTV208069
<b>NAME OF SUBMITTER:</b>	LESLEY L. ANDREW
<b>SIGNATURE:</b>	/Lesley L. Andrew/
<b>DATE SIGNED:</b>	07/22/2021
<b>Total Attachments: 3</b>	
source=14_041192_BRN_Phoenix_Inc-DTV_Satellite_Broadband_LLC#page3.tif	
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**CONFIRMATORY  
ASSIGNMENT OF PATENTS**

WHEREAS, BRN Phoenix, Inc., a Delaware corporation, having a place of business at 2500 Augustine Drive, Suite 200, Santa Clara, California 95054, ("Assignor"), was the owner of the patent registrations and patent applications listed on Schedule A hereto (the "Assigned Patents");


WHEREAS, Assignor granted certain rights pursuant to Bill of Sale dated as of July 3, 2008, to DTV Satellite Broadband, LLC, a Delaware limited liability company, having a place of business at 2230 East Imperial Highway, El Segundo, California 90245, ("Assignee"), whereby Assignee acquired all of Assignor's right, title and interest in and to, among other things, the Assigned Patents, as further specified below; and

WHEREAS, Assignor desires to confirm the sale, assignment, transfer and conveyance of such right, title and interest in and to the Assigned Patents, as further specified below, to Assignee.

NOW, THEREFORE, for good and valuable consideration provided by Assignee, the receipt of which is hereby acknowledged, Assignor hereby confirms the sale, assignment, transfer and conveyance to Assignee of Assignor's right, title and interest in and to the Assigned Patents, and all Letters Patent of The United States of America and any foreign jurisdictions which may be granted thereon, and any continuations, continuations-in-part, reissues, reexaminations, extensions or the like subsequently arising therefrom, all subject to certain retained rights and other exceptions as set forth in associated contractual agreements between Assignor and Assignee.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be signed as of this 6<sup>th</sup> day of July 2009.

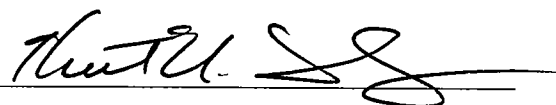
On behalf of:  
BRN Phoenix, Inc.

By:  \_\_\_\_\_

Name: John L. Norin

Title: Alternate Director

On behalf of:  
DTV Satellite Broadband, LLC

By:  \_\_\_\_\_

Name: Keith U. Landenberger

Title: Senior Vice President

**SCHEDULE A**

**UNITED STATES**

<b>Application Number</b>	<b>Filing Date</b>	<b>Patent Number</b>	<b>Issue Date</b>	<b>Title</b>
08/804,904	Feb 24, 1997	6,128,276	Oct 3, 2000	STACKED-CARRIER DISCRETE MULTIPLE TONE COMMUNICATION TECHNOLOGY AND COMBINATIONS WITH CODE NULLING, INTERFERENCE CANCELLATION, RETRODIRECTIVE COMMUNICATION AND ADAPTIVE ANTENNA ARRAYS
09/658,761	Sep 8, 2000	6,512,737	Jan 28, 2003	STACKED-CARRIER DISCRETE MULTIPLE TONE COMMUNICATION SYSTEM
10/092,937	Mar 6, 2002	7,110,349	Sep 19, 2006	ADAPTIVE COMMUNICATIONS METHODS FOR MULTIPLE USER PACKET RADIO WIRELESS NETWORKS
11/532,857	Sep 18, 2006	Pending		ADAPTIVE COMMUNICATIONS METHODS FOR MULTIPLE USER PACKET RADIO WIRELESS NETWORKS
11/936,786	Nov 7, 2007	Pending		AAS DIRECT SIGNALING FRAMING METHODOLOGIES TO SUPPORT HIGH CAPACITY WIRELESS LINKS

