

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	VDMS LLC	02/17/2014
RECEIVING PARTY DATA		
Name:	VERIZON PATENT AND LICENSING INC.	
Street Address:	ONE VERIZON WAY	
City:	BASKING RIDGE	
State/Country:	NEW JERSEY	
Postal Code:	07920	
PROPERTY NUMBERS Total: 2		
	Property Type	Number
	Application Number:	14229605
	Application Number:	14229616
CORRESPONDENCE DATA		
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NAME OF SUBMITTER:	KEVIN O. GRANGE - REG NO. 60,793	
SIGNATURE:	/Kevin O. Grange/	
DATE SIGNED:	04/24/2014	
Total Attachments: 3		
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ASSIGNMENT

This ASSIGNMENT is effective as of February 17, 2014 between VDMS LLC, a limited liability company existing under the laws of Delaware and having an office located at One Verizon Way, Basking Ridge, New Jersey 07920 (hereinafter "ASSIGNOR"), and Verizon Patent and Licensing Inc., a corporation existing under the laws of Delaware and having an office located at One Verizon Way, Basking Ridge, NJ 07920 (hereinafter "ASSIGNEE").

WHEREAS, ASSIGNEE is desirous of acquiring ownership of the United States and/or foreign Letters Patent and Application(s) for Letters Patent identified in Schedule A, as well as any legal equivalents and counterparts thereof in all countries or jurisdictions worldwide (whether listed on Schedule A or not), and the inventions disclosed therein (all hereinafter referred to as the "Patent Assets").

WHEREAS, ASSIGNOR is desirous of granting to ASSIGNEE its ownership of the aforesaid Patent Assets.

NOW, THEREFORE, in consideration of the premises and the mutual covenants set forth herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by ASSIGNOR and ASSIGNEE, and subject to any rights and licenses under the Patent Assets granted to third parties on or before the effective date hereof, ASSIGNOR does hereby assign unto ASSIGNEE (a) all worldwide right, title and interest of ASSIGNOR in and to the Patent Assets (subject, however, to applicable patent laws in the respective countries or jurisdictions issuing such Patent Assets), the right to claim priority therefrom, and in and to all additional Letters Patent worldwide to be obtained from such Patent Assets and from any future applications, continuations, divisions, renewals, extensions, substitutes, reissues or re-examinations which claim priority therefrom, each and all to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the terms for which any such Letters Patent are granted, plus any extensions, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment not been made; and (b) all claims for past and future infringements of said Patent Assets, with the right to sue for and obtain all remedies for such infringements (including past and future damages and equitable relief) for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives.

ASSIGNOR authorizes and requests the United States Commissioner of Patents and Trademarks (or similar official) to issue any and all United States Letters Patent resulting from the Patent Assets or any divisions, reissues, continuations, renewals, extensions, substitutes or re-examinations thereof to ASSIGNEE as assignee of ASSIGNOR's interest therein. ASSIGNOR further appoints ASSIGNEE as ASSIGNOR's attorney-in-fact (such appointment being irrevocable and coupled with the interest in the Patent Assets), with full authority in the place and stead of ASSIGNOR and in the name of ASSIGNOR from time to time to take any action and to execute any document which ASSIGNEE may deem reasonably necessary or advisable to accomplish the purposes of this ASSIGNMENT, including the execution and filing of confirmatory assignments, powers of attorney, declarations of transfer, or other documents relative to any of the Patent Assets in the name of ASSIGNOR where permitted by law.

VDMS LLC

A handwritten signature in cursive script, reading "Frederick Pappalardo", is written over a horizontal line.

Name: Frederick Pappalardo

Title: Assistant Secretary

SCHEDULE A

VZ Docket	Country	Appl. Number	File Date	Pat. Number	Application Title
20100987	US	12/968,140	12/14/2010	N/A	MEDIA REPACKAGING SYSTEMS AND SOFTWARE FOR ADAPTIVE STREAMING SOLUTIONS, METHODS OF PRODUCTION AND USES THEREOF
20111104PR1	US	61/476,715	4/18/2011	N/A	DECOUPLED SEGMENTATION AND ENCODING FOR ADAPTIVE STREAMING
20111105PR1	US	61/580,847	12/28/2011	N/A	JUST-IN-TIME (JIT) ENCODING FOR STREAMING MEDIA CONTENT
20121090PR1	US	61/598,519	2/14/2012	N/A	ADVERTISEMENT INSERTION INTO STREAMING MEDIA CONTENT
20111104	US	13/448,213	4/16/2012	N/A	DECOUPLED SLICING AND ENCODING OF MEDIA CONTENT
20121093PR1	US	61/712,657	10/11/2012	N/A	ADAPTIVE STREAMING COST MANAGEMENT
20111105	US	13/729,342	12/28/2012	N/A	JUST-IN-TIME (JIT) ENCODING FOR STREAMING MEDIA CONTENT
20121090	US	13/764,488	2/11/2013	N/A	ADVERTISEMENT INSERTION INTO MEDIA CONTENT FOR STREAMING
20121091	US	13/764,536	2/11/2013	N/A	ADVERTISEMENT INSERTION INTO MEDIA CONTENT FOR STREAMING
20121092	US	13/764,563	2/11/2013	N/A	ADVERTISEMENT INSERTION INTO MEDIA CONTENT FOR STREAMING
20121093	US	14/052,578	10/11/2013	N/A	ADAPTIVE STREAMING COST MANAGEMENT
20121094	US	14/052,589	10/11/2013	N/A	MEDIA MANIFEST FILE GENERATION FOR ADAPTIVE STREAMING COST MANAGEMENT