PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
David E. MCDYSAN	11/22/2010
Daniel J. O'CALLAGHAN	11/23/2010
Stevan H. LEIDEN	11/23/2010
Douglas M. PASKO	11/22/2010
John E. RATHKE	11/23/2010

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: 1

Property Type	Number
Application Number:	12953238

CORRESPONDENCE DATA

Fax Number: (571)432-0808

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 5714320800

Email: rwideman@harrityllp.com
Correspondent Name: Harrity & Harrity, LLP
Address Line 1: 11350 Random Hills Road

Address Line 2: Suite 600

Address Line 4: Fairfax, VIRGINIA 22030

ATTORNEY DOCKET NUMBER: 20100342

NAME OF SUBMITTER: James M. Olsen

PATENT

REEL: 025400 FRAME: 0746

OP \$40.00 12953238

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Total Attachments: 5

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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned:

I. have sold, assigned and transferred, and by the presents do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, the entire worldwide right, title and interest in and to any and all improvements which are described in the application for United States Letters Patent entitled

HYBRID VIDEO SELECTION, DELIVERY, AND CACHING

Which has been executed by the u I/we hereby authorize and request the Assignee, its insert here in the parentheses (Application Number of date and application number of said application when	12/953, 238, filed 11-23-2010) the filing
which was filed on an	d assigned Application No.
and in and to said application, and all divisional, coreissue, provisional, and all other applications for Le United States and all foreign countries on any of said application; and in and to all original and reissued pat States and foreign countries from any of said application the filing of any of said applications; and in and to Convention for the Protection of Industrial Property to	tters Patent which have been or shall be filed in the improvements or based on or claiming priority to said ents which have been or shall be issued in the United ons, and in and to all rights of priority resulting from all rights which may exist under the International
II. agree that said Assignee may apply for and receive Letter that, when requested, without charge to, but at the except legal representatives, to carry out in good faith the interval will execute all divisional, continuing (in whole or in applications on any and all said improvements; execut of attorney and other papers; communicate to said Assignets known to undersigned relating to said improvements and all applications for Letters I to said improvements and all applications for Letters I said Assignee, its successors and assigns; and	expense of, said Assignee, its successors, assigns and tent and purpose of this Assignment, the undersigned part), substitute, renewal, reissue, and all other patent e all rightful oaths, declarations, assignments, powers signee, its successors, assigns, and representatives, all vements and the history thereof; and generally do rs, assigns or representatives shall consider desirable protection for said improvements and for vesting title
III. covenant with said Assignee, its successors, assigns ar mortgage, license, or other agreement affecting the ri others by the undersigned, and that full right to conv undersigned.	ghts and property herein identified has been made to
IN WITNESS to my/our agreement to the foregoing, I/we have	executed this Assignment as set forth below:
Verizon entity (Assignee): <u>Verizon Patent and Licensing Inc.</u> , Basking Ridge, NJ 07920.	having a place of business at One Verizon Way,
ASSIGNORS Signature: David E. MCDYSAN	- Date: Nov 22, 2010
Signature: Daniel J. O'CALLAGHAN	Date:
Signature: Stevan H. LEIDEN	Date:
Signature: Douglas M. PASKO	Date:
Signature:John E. RATHKE	Date:

P.02

Verizon Invention Assignment for Verizon Docket No.: 20100342 Page 1 of 1

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HYBRID VIDEO SELECTION, DELIVERY, AND CACHING

I/we hereby authorize and request the Assignee, it	undersigned concurrently herewith, and in which case s successors, assigns and/or legal representatives, to $12/953, 238$, filed $11-23-2010$) the filing known.
which was filed on	nd assigned Application No.
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legal representatives, to carry out in good faith the is will execute all divisional, continuing (in whole or in applications on any and all said improvements; exect of attorney and other papers; communicate to said A facts known to undersigned relating to said improverything possible which said Assignee, its succession for aiding in securing and maintaining proper patents.	ers Patent for said improvements in its own name; and expense of, said Assignee, its successors, assigns and need and purpose of this Assignment, the undersigned in part), substitute, renewal, reissue, and all other patent ate all rightful oaths, declarations, assignments, powers ssignee, its successors, assigns, and representatives, all ovements and the history thereof; and generally do sors, assigns or representatives shall consider desirable protection for said improvements and for vesting title a Patent and all Letters Patent on said improvements, in
	and legal representatives that no assignment, grant, rights and property herein identified has been made to every the same as herein expressed is possessed by the
IN WITNESS to my/our agreement to the foregoing, I/we have	e executed this Assignment as set forth below:
Verizon entity (Assignee): <u>Verizon Patent and Licensing Inc.</u> <u>Basking Ridge, NJ 07920</u> .	, having a place of business at One Verizon Way,
ASSIGNORS:	
Signature:	Date:
Signature: Daniel J. O'CALLAGHAN	Date: <u>Nov. 33, 2010</u>
Signature: Stevan H. LEIDEN	Date:
Signature: Douglas M. PASKO	Date:
Signature: John E. RATHKE	Date:

Verizon Invention Assignment for Verizon Docket No.: 20100342

Page 1 of 1

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HYBRID VIDEO SELECTION, DELIVERY, AND CACHING

	I/we hereby authorize and request the Assignee,	te undersigned concurrently herewith, and in which case its successors, assigns and/or legal representatives, to $r12/953,238$, filed $11-23-2010$) the filing on known.
	which was filed on	and assigned Application No.
	reissue, provisional, and all other applications for United States and all foreign countries on any of sai application; and in and to all original and reissued p States and foreign countries from any of said applica-	continuing (in whole or in part), substitute, renewal, Letters Patent which have been or shall be filed in the id improvements or based on or claiming priority to said extents which have been or shall be issued in the United extions, and in and to all rights of priority resulting from to all rights which may exist under the International to any of the foregoing;
II. agn	that, when requested, without charge to, but at the legal representatives, to carry out in good faith the will execute all divisional, continuing (in whole or applications on any and all said improvements; exec of attorney and other papers; communicate to said facts known to undersigned relating to said impreverything possible which said Assignce, its successfor aiding in securing and maintaining proper paten	ters Patent for said improvements in its own name; and expense of, said Assignee, its successors, assigns and intent and purpose of this Assignment, the undersigned in part), substitute, renewal, reissue, and all other patent vute all rightful oaths, declarations, assignments, powers Assignee, its successors, assigns, and representatives, all rovements and the history thereof; and generally do sors, assigns or representatives shall consider desirable at protection for said improvements and for vesting title is Patent and all Letters Patent on said improvements, in
llí. cov	mortgage, license, or other agreement affecting the	and legal representatives that no assignment, grant, rights and property herein identified has been made to average the same as herein expressed is possessed by the
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Verizon Basking	entity (Assignce): Verizon Patent and Licensing Inc. Ridge, NJ 07920.	, having a place of business at One Verizon Way,
<u>ASSIGN</u>	iors:	•
Signatur	c:	Date:
Signatur	David E. MCDYSAN	Date:
Signatur	e: Saniel J. O'O'ALLAGNAN	Date: 100.23, 2010
Signatur		Date:
Signatur	Douglas M. PASKO e: John E. RATHKE	Date:
	Som D. RETTIRE	

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Page 1 of 1

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Which has been executed by the undersigned concurrently herewith, and in which case I/we hereby authorize and request the Assignee, its successors, assigns and/or legal representatives, to insert here in the parentheses (Application Number 12/953, 238 filed 11-23-2010) the filing date and application number of said application when known. [which was filed on and assigned Application No.] and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements or based on or claiming priority to said application; and in and to all original and reissued patents which have been or shall be issued in the United States and foreign countries from any of said applications, and in and to all rights of priority resulting from the filing of any of said applications; and in and to all rights which may exist under the International Convention for the Protection of Industrial Property to any of the foregoing; II. agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other patent	
and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements or based on or claiming priority to said application; and in and to all original and reissued patents which have been or shall be issued in the United States and foreign countries from any of said applications, and in and to all rights of priority resulting from the filing of any of said applications; and in and to all rights which may exist under the International Convention for the Protection of Industrial Property to any of the foregoing; II. agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other patent	
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III. covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein identified has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.	
IN WITNESS to my/our agreement to the foregoing, I/we have executed this Assignment as set forth below:	
Verizon entity (Assignee): <u>Verizon Patent and Licensing Inc.</u> , having a place of business at <u>One Verizon Way</u> , <u>Basking Ridge</u> , NJ 07920.	
ASSIGNORS:	
Signature: Date:	
Signature: Date:	
Signature: Date;	
Signature: Douglas M. PASKO Douglas M. PASKO	
Signature: Date:	

RECORDED: 11/23/2010

Verizon Invention Assignment for Verizon Docket No.: 20100342

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Page 1 of 1

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ASSIGNORS:	D . (1)
Signature:	Date:
Signature:	Date:
Daniel J. O'CALLAGHAN Signature:	Date:
Stevan H. LEIDEN	
Signature:	Date:
Signature: Common Racha	Date: ///23/2010
John E. RATHKE	, .
	PATENT