PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3661898

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID ANDREWS	12/16/2015
REED MORRISON	12/16/2015
DEREK SHIELL	12/16/2015
ROBERT J. PETERS	12/16/2015

RECEIVING PARTY DATA

Name:	EDGECAST NETWORKS, INC.
Street Address:	13031 W. JEFFERSON BLVD., BUILDING 900
City:	PLAYA VISTA
State/Country:	CALIFORNIA
Postal Code:	90094

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14971679

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 703-351-3579

Email: patents@verizon.com

VERIZON PATENT MANAGEMENT GROUP **Correspondent Name:**

Address Line 1: 1320 NORTH COURT HOUSE ROAD

Address Line 2: 9TH FLOOR

Address Line 4: ARLINGTON, VIRGINIA 22201-2909

ATTORNEY DOCKET NUMBER:	20150849
NAME OF SUBMITTER:	ARMAN KATIRAEI
SIGNATURE:	/Arman Katiraei/
DATE SIGNED:	12/16/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

PATENT REEL: 037309 FRAME: 0335

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> PATENT REEL: 037309 FRAME: 0336

DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

Patent Application Title: DISTRIBUTED RATE LIMITING

thepatent application for wh	hich:	
Mis being filed concurrent	ly herewith, Application Number to be assigned	ed by the USPTO, or
was filed on	as United States Application Number	or PCT International Application
Number		

Declaration of Inventor

As the below named inventor, I hereby declare that:

- the above-identified application was made or authorized to be made by me;
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-referenced application; and
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

Inventor Assignment Acknowledgement

For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:

- A. I hereby assign to EdgeCast Networks, Inc. identified below ("Assignee"), including its successors and assigns, my entire worldwide right, title and interest in and to any and all inventions and other ideas described in the above-identified patent application, as well as in and to said application and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional or other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said inventions or ideas, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
- B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that I will execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights when requested by Assignee (or its successors and/or assigns) without compensation (but at Assignee's expense); (iii) that I appoint Assignee (acting through its representatives) as my attorney-in-fact, such appointment being irrevocable and coupled with the interest in the Patent Rights, with full authority in my place and stead and in my name 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 the papers identified in part (ii) in my name where permitted by law; (iv) to communicate to Assignee, its successors, assigns, representatives and agents, all facts known to me relating to said Patent Rights and the history thereof; and (v) to generally do everything which Assignee, its successors, assigns, representatives or agents shall consider desirable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.
- C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

ASSIGNEE: EdgeCast Networks, Inc., a California Corporation with a place of business at 13031 W. Jefferson Blvd., Building 900, Playa Vista, CA 90094 US

IN WITNESS to my agreement to the foregoing Declaration of Inventor and Inventor Assignment Acknowledgement, I have executed as set forth below:

Full legal name of Inventor: David Andrews

PATENT REEL: 037309 FRAME: 0337

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DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

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thepatent application for which:		
Sis being filed concurrently herewith	, Application Number to be assigned b	y the USPTO, or
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IN WITNESS to my agreement to the foregoing Declaration of Inventor and Inventor Assignment Acknowledgement, I have executed as set forth below:

Full legal na	ame of Invento	r: Reed Morrison					_
Address:	13031	W. Jefferson	Blud.	Brildin	100,	Maya Victa, CA	10094 6
Signature:				ate: 12 V	16-2	015	

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DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

Patent Application Title: DISTRIBUTED RATE LIMITING

thepatent application	for which:	
	urrently herewith, Application Number to be assigne	d by the USPTO, or
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IN WITNESS to my agreement to the foregoing Declaration of Inventor and Inventor Assignment Acknowledgement, I have executed as set forth below:

Full legal r	name of Inve	ator: De	erek Shiell						
Address:	13031	W.	Jefferson	Blud.	Bld2900	Playa	Vista,	CA	90094
Signature:	Ди			Date:	12/16/20	2/5	,		
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PATENT

REEL: 037309 FRAME: 0339

DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

Patent Application Title: DISTRIBUTED RATE LIMITING

thepatent application for v	vhich:	
	tly herewith, Application Number to be assigne	d by the USPTO, or
was filed on	as United States Application Number	or PCT International Application
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IN WITNESS to my agreement to the foregoing Declaration of Inventor and Inventor Assignment Acknowledgement, I have executed as set forth below:

Full legal name of Inventor: Robert J. Peters

RECORDED: 12/16/2015

13.00

Signature:

Date: 12/16/15

PATENT

REEL: 037309 FRAME: 0340

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