506426595 12/30/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROSS GILSON	05/28/2009

RECEIVING PARTY DATA

Name:	COMCAST CABLE COMMUNICATIONS, LLC	
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City:	PHILADELPHIA	
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Postal Code:	19103	

PROPERTY NUMBERS Total: 1

Property Type Number	
Application Number:	17137156

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	001441-1068-104
NAME OF SUBMITTER:	TRACY W. CHU
SIGNATURE:	/Tracy W. Chu/
DATE SIGNED:	12/30/2020

Total Attachments: 2

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PATENT 506426595 REEL: 054774 FRAME: 0039

Attorney Docket No. 0813008.14002

ASSIGNMENT

WHEREAS, I, SETH HABERMAN, have invented one or more inventions described in an application (or provisional application) for Letters Patent of the United States entitled:

SYSTEMS AND METHODS FOR DYNAMIC BIT/BANDWIDTH ALLOCATION

	and ide	entified by
		Attorney Docket No. , and/or executed by me on even date herewith and ed in the United States Patent Office; and
and		Serial No. 12/156,725 filed in the United States Patent Office on June 4, 2008

WHEREAS, Visible World, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of New York, and having a usual place of business at 527 West 34th Street, New York NY 10001, desires to acquire an interest therein, in accordance with agreements duly entered into with me;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, at least as early as the filing date of said application, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with my entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to nonprovisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest I may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made; I hereby convey all of my rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. I hereby acknowledge that this assignment, being of my entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of my entire right, title and interest therein;

> PATENT REEL: 054886 FRAME: 0646

Sole Assignment U.S. Serial No. 12/156,725 Page 2 of 2

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international patent applications;

AND, I hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

AND, I hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on the date of my execution of this assignment;

AND, I do hereby authorize and request the Director of the United States Patent and Trademark Office and the empowered officials of all other governments to issue such Letters Patent as shall be granted upon said application, or applications based thereon, to said ASSIGNEE, its successors, assigns, or legal representatives.

	is, or regar representative	75.
IN TESTIMONY WHER	EOF , I have hereunto set	t my hand and affixed my seal on the
date set forth below.	Inventor:	Sh
		Seth Haberman
State of New York County of)) ss	
personally appeared SETH HABE identification, which was/were signed on the preceding or attache	RMAN, proved to me the Cth Haberman d document, and who sw	_, to be the person whose name is
Wendy & Walg Signature of Notary		(Seal)
My Commission Expires:	03/2011	Wandy E. Walunia

BOS-1221025 v1

Wenay E. Walwyn
Notary Public, State of New York
Reg.# 01WA6178622
Qualified in Kings County
Commission Expires 12/03/2011

PATENT REEL: 054836 FRAME: 0049

RECORDED: 02/29/2026