

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7713606

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	MERGER		
<b>EFFECTIVE DATE:</b>	08/15/2016		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>			<b>Execution Date</b>
TVWORKS, LLC			08/11/2016
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	COMCAST CABLE COMMUNICATIONS MANAGEMENT, LLC		
<b>Street Address:</b>	1701 JFK BOULEVARD		
<b>City:</b>	PHILADELPHIA		
<b>State/Country:</b>	PENNSYLVANIA		
<b>Postal Code:</b>	19103		
<b>PROPERTY NUMBERS Total: 1</b>			
<b>Property Type</b>	<b>Number</b>		
<b>Application Number:</b>	17586432		
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>			
<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>Email:</b>	smehr@bannerwitcoff.com, bwptopat@bannerwitcoff.com		
<b>Correspondent Name:</b>	BANNER & WITCOFF, LTD		
<b>Address Line 1:</b>	1100 13TH STREET NW		
<b>Address Line 2:</b>	SUITE 1200		
<b>Address Line 4:</b>	WASHINGTON, D.C. 20005		
<b>ATTORNEY DOCKET NUMBER:</b>	007412.05622		
<b>NAME OF SUBMITTER:</b>	HENGYI JIANG		
<b>SIGNATURE:</b>	/Hengyi Jiang/		
<b>DATE SIGNED:</b>	12/27/2022		
<b>Total Attachments: 2</b>			
source=Assignment 2 - Merger of TVWorks to CCCM#page1.tif			
source=Assignment 2 - Merger of TVWorks to CCCM#page2.tif			

# Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"STREAMSAGE, INC.", A DELAWARE CORPORATION,

"GUIDEWORKS, LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"TVWORKS, LLC", A DELAWARE LIMITED LIABILITY COMPANY,

WITH AND INTO "COMCAST CABLE COMMUNICATIONS MANAGEMENT, LLC"

UNDER THE NAME OF "COMCAST CABLE COMMUNICATIONS MANAGEMENT,

LLC", A LIMITED LIABILITY COMPANY ORGANIZED AND EXISTING UNDER

THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS

OFFICE ON THE FIFTEENTH DAY OF AUGUST, A.D. 2016, AT 9:52

O`CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



4723311 8100M  
SR# 20165356324

You may verify this certificate online at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)

A handwritten signature in black ink, appearing to read "JB", is written over a horizontal line. Below the line, the text "Jeffrey W. Bullock, Secretary of State" is printed in a small font.

Authentication: 202831427  
Date: 08-15-16

**PATENT**  
**REEL: 062209 FRAME: 0206**

**CERTIFICATE OF MERGER**

**OF**

**GUIDEWORKS, LLC,  
a Delaware limited liability company,**

**TVWORKS, LLC,  
a Delaware limited liability company,**

**and**

**STREAMSAGE, INC.,  
a Delaware corporation**

**INTO**

**COMCAST CABLE COMMUNICATIONS MANAGEMENT, LLC,  
a Delaware limited liability company**

Pursuant to Title 8, Section 264 of the Delaware General Corporation Law and Title 6, Section 18-209 of the Delaware Limited Liability Company Act, the undersigned limited liability company executed the following Certificate of Merger:

FIRST: The name of the surviving limited liability company is Comcast Cable Communications Management, LLC, a Delaware limited liability company, and the names of the limited liability companies being merged into this surviving limited liability company are GuideWorks, LLC, and TVWorks, LLC, both Delaware limited liability companies, and the name of the corporation being merged into this surviving limited liability company is StreamSage, Inc., a Delaware corporation.

SECOND: The Agreement of Merger has been approved, adopted, certified, executed and acknowledged by each of the constituent entities.

THIRD: The name of the surviving entity is Comcast Cable Communications Management, LLC.

FOURTH: The merger is to become effective on August 15, 2016.

FIFTH: The Agreement of Merger is on file at the place of business of the surviving entity located at 1701 John F. Kennedy Boulevard, Philadelphia, Pennsylvania 19103-2838.

SIXTH: A copy of the Agreement of Merger will be furnished by the surviving limited liability company on request, without cost, to any member or stockholder of the constituent entities.

IN WITNESS WHEREOF, said surviving limited liability company has caused this certificate to be signed by an authorized person, on August 11, 2016.

Comcast Cable Communications Management, LLC

By: 

Derek H. Squire, Authorized Person