

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3478953

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	CHANGE OF NAME
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ELLACOYA NETWORKS, INC.	12/14/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ELLACOYA NETWORKS, LLC
<b>Street Address:</b>	1209 ORANGE ST
<b>City:</b>	WILMINGTON
<b>State/Country:</b>	DELAWARE
<b>Postal Code:</b>	19801
<b>PROPERTY NUMBERS Total: 5</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	7970930
Patent Number:	7016956
Patent Number:	7370364
Patent Number:	8321584
Patent Number:	7743166
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(212)735-2000
<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>Phone:</b>	2127353000
<b>Email:</b>	sara.mooney@skadden.com
<b>Correspondent Name:</b>	SKADDEN, ARPS, SLATE, MEAGHER & FLOM LLP
<b>Address Line 1:</b>	FOUR TIMES SQUARE
<b>Address Line 2:</b>	REBECCA RODAL
<b>Address Line 4:</b>	NEW YORK, NEW YORK 10036
<b>ATTORNEY DOCKET NUMBER:</b>	184990/1
<b>NAME OF SUBMITTER:</b>	REBECCA RODAL
<b>SIGNATURE:</b>	/rebecca rodal/
<b>DATE SIGNED:</b>	08/11/2015
<b>Total Attachments: 10</b>	

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# Delaware

PAGE 1

*The First State*

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THAT "ELLACOYA NETWORKS, LLC" IS DULY FORMED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL EXISTENCE NOT HAVING BEEN CANCELLED OR REVOKED SO FAR AS THE RECORDS OF THIS OFFICE SHOW AND IS DULY AUTHORIZED TO TRANSACT BUSINESS.

THE FOLLOWING DOCUMENTS HAVE BEEN FILED:

CERTIFICATE OF INCORPORATION, FILED THE TWENTY-NINTH DAY OF OCTOBER, A.D. 1998, AT 9 O'CLOCK A.M.

CERTIFICATE OF AMENDMENT, FILED THE TENTH DAY OF NOVEMBER, A.D. 1998, AT 3:30 O'CLOCK P.M.

CERTIFICATE OF DESIGNATION, FILED THE EIGHTEENTH DAY OF DECEMBER, A.D. 1998, AT 4:30 O'CLOCK P.M.

CERTIFICATE OF AMENDMENT, FILED THE TWENTY-FOURTH DAY OF NOVEMBER, A.D. 1999, AT 3:30 O'CLOCK P.M.

CERTIFICATE OF DESIGNATION, FILED THE TWENTY-NINTH DAY OF NOVEMBER, A.D. 1999, AT 3:30 O'CLOCK P.M.

CERTIFICATE OF DESIGNATION, FILED THE TWENTY-EIGHTH DAY OF JANUARY, A.D. 2000, AT 9 O'CLOCK A.M.


CERTIFICATE OF AMENDMENT, FILED THE THIRTY-FIRST DAY OF



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

  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 2567473

DATE: 07-17-15

PATENT  
REEL: 036332 FRAME: 0239

# Delaware

PAGE 2

*The First State*

JANUARY, A.D. 2000, AT 9 O'CLOCK A.M.

CERTIFICATE OF AMENDMENT, FILED THE THIRTY-FIRST DAY OF  
JANUARY, A.D. 2000, AT 9:01 O'CLOCK A.M.

CERTIFICATE OF AMENDMENT, FILED THE FIRST DAY OF AUGUST,  
A.D. 2000, AT 9 O'CLOCK A.M.

CERTIFICATE OF AMENDMENT, FILED THE FIRST DAY OF AUGUST,  
A.D. 2000, AT 9:01 O'CLOCK A.M.

CERTIFICATE OF AMENDMENT, FILED THE THIRTEENTH DAY OF  
NOVEMBER, A.D. 2000, AT 1 O'CLOCK P.M.

CERTIFICATE OF DESIGNATION, FILED THE THIRTEENTH DAY OF  
NOVEMBER, A.D. 2000, AT 1:01 O'CLOCK P.M.

CERTIFICATE OF CHANGE OF REGISTERED AGENT, FILED THE  
TWENTIETH DAY OF AUGUST, A.D. 2001, AT 9:30 O'CLOCK A.M.

RESTATED CERTIFICATE, FILED THE TWENTY-NINTH DAY OF OCTOBER,  
A.D. 2001, AT 5:30 O'CLOCK P.M.

CERTIFICATE OF AMENDMENT, FILED THE THIRTIETH DAY OF MAY,  
A.D. 2002, AT 5 O'CLOCK P.M.

CERTIFICATE OF AMENDMENT, FILED THE SIXTEENTH DAY OF AUGUST,  
A.D. 2002, AT 10:30 O'CLOCK A.M.

CERTIFICATE OF AMENDMENT, FILED THE TWENTY-FOURTH DAY OF

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Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 2567473

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PATENT  
REEL: 036332 FRAME: 0240

# Delaware

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*The First State*

DECEMBER, A.D. 2002, AT 3 O'CLOCK P.M.

CERTIFICATE OF CORRECTION, FILED THE SEVENTH DAY OF  
FEBRUARY, A.D. 2003, AT 3 O'CLOCK P.M.

CERTIFICATE OF AMENDMENT, FILED THE TWENTY-THIRD DAY OF  
APRIL, A.D. 2003, AT 3:14 O'CLOCK P.M.

CERTIFICATE OF AMENDMENT, FILED THE TWENTY-EIGHTH DAY OF  
AUGUST, A.D. 2003, AT 10:06 O'CLOCK A.M.

CERTIFICATE OF CHANGE OF REGISTERED AGENT, FILED THE  
THIRTEENTH DAY OF JANUARY, A.D. 2004, AT 1:18 O'CLOCK P.M.

CERTIFICATE OF AMENDMENT, FILED THE NINTH DAY OF JULY, A.D.  
2004, AT 11:46 O'CLOCK A.M.

CERTIFICATE OF AMENDMENT, FILED THE TWENTY-SEVENTH DAY OF  
JUNE, A.D. 2005, AT 3:45 O'CLOCK P.M.

CERTIFICATE OF AMENDMENT, FILED THE TWENTY-FIRST DAY OF  
APRIL, A.D. 2006, AT 5:15 O'CLOCK P.M.

CERTIFICATE OF AMENDMENT, FILED THE TWENTY-NINTH DAY OF  
NOVEMBER, A.D. 2006, AT 1:28 O'CLOCK P.M.

CERTIFICATE OF AMENDMENT, FILED THE TWENTY-EIGHTH DAY OF  
FEBRUARY, A.D. 2007, AT 12:15 O'CLOCK P.M.

CERTIFICATE OF AMENDMENT, FILED THE EIGHTEENTH DAY OF APRIL,

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Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 2567473

DATE: 07-17-15

PATENT  
REEL: 036332 FRAME: 0241

# Delaware

PAGE 4

*The First State*

A.D. 2007, AT 3:32 O'CLOCK P.M.

CERTIFICATE OF AMENDMENT, FILED THE THIRTIETH DAY OF MAY,

A.D. 2007, AT 2:22 O'CLOCK P.M.

CERTIFICATE OF AMENDMENT, FILED THE TWENTY-SIXTH DAY OF  
JULY, A.D. 2007, AT 5:36 O'CLOCK P.M.

CERTIFICATE OF AMENDMENT, FILED THE TWENTY-EIGHTH DAY OF  
SEPTEMBER, A.D. 2007, AT 4:09 O'CLOCK P.M.

CERTIFICATE OF AMENDMENT, FILED THE FOURTH DAY OF JANUARY,  
A.D. 2008, AT 6:11 O'CLOCK P.M.

CERTIFICATE OF AMENDMENT, FILED THE EIGHTH DAY OF JANUARY,  
A.D. 2008, AT 2:37 O'CLOCK P.M.

CERTIFICATE OF MERGER, FILED THE TWELFTH DAY OF FEBRUARY,  
A.D. 2008, AT 6:35 O'CLOCK P.M.

RESTATED CERTIFICATE, FILED THE TWELFTH DAY OF FEBRUARY,  
A.D. 2008, AT 6:35 O'CLOCK P.M.

CERTIFICATE OF AMENDMENT, FILED THE SEVENTH DAY OF DECEMBER,  
A.D. 2012, AT 11:35 O'CLOCK A.M.

CERTIFICATE OF CONVERSION, CHANGING ITS NAME FROM "ELLACOYA  
NETWORKS, INC." TO "ELLACOYA NETWORKS, LLC", FILED THE  
THIRTEENTH DAY OF DECEMBER, A.D. 2012, AT 3:07 O'CLOCK P.M.

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Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 2567473

DATE: 07-17-15

PATENT  
REEL: 036332 FRAME: 0242

# Delaware

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*The First State*

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF CONVERSION IS THE FOURTEENTH DAY OF DECEMBER, A.D. 2012, AT 12:01 O'CLOCK A.M.

CERTIFICATE OF FORMATION, FILED THE THIRTEENTH DAY OF DECEMBER, A.D. 2012, AT 3:07 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF FORMATION IS THE FOURTEENTH DAY OF DECEMBER, A.D. 2012, AT 12:01 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE AFORESAID CERTIFICATES ARE THE ONLY CERTIFICATES ON RECORD OF THE AFORESAID LIMITED LIABILITY COMPANY, "ELLACOYA NETWORKS, LLC".

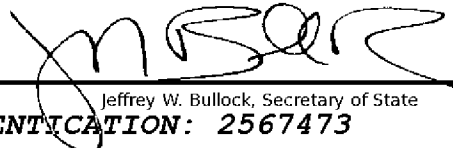
AND I DO HEREBY FURTHER CERTIFY THAT THE ANNUAL TAXES HAVE BEEN PAID TO DATE.

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

  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 2567473

DATE: 07-17-15

PATENT  
REEL: 036332 FRAME: 0243

# Delaware

PAGE 1

*The First State*

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE CORPORATION UNDER THE NAME OF "ELLACOYA NETWORKS, INC." TO A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM "ELLACOYA NETWORKS, INC." TO "ELLACOYA NETWORKS, LLC", FILED IN THIS OFFICE ON THE THIRTEENTH DAY OF DECEMBER, A.D. 2012, AT 3:07 O'CLOCK P.M.

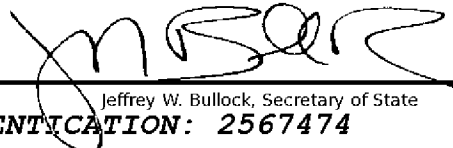
AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF CONVERSION IS THE FOURTEENTH DAY OF DECEMBER, A.D. 2012, AT 12:01 O'CLOCK A.M.

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

  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 2567474

DATE: 07-17-15

PATENT  
REEL: 036332 FRAME: 0244



# Delaware

PAGE 2

*The First State*

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF CERTIFICATE OF FORMATION OF "ELLACOYA NETWORKS, LLC" FILED IN THIS OFFICE ON THE THIRTEENTH DAY OF DECEMBER, A.D. 2012, AT 3:07 O'CLOCK P.M.


AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF FORMATION IS THE FOURTEENTH DAY OF DECEMBER, A.D. 2012, AT 12:01 O'CLOCK A.M.

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



  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 2567474

DATE: 07-17-15

PATENT  
REEL: 036332 FRAME: 0245

**CERTIFICATE OF CONVERSION TO LIMITED LIABILITY COMPANY  
OF  
ELLACOYA NETWORKS, INC.  
TO  
ELLACOYA NETWORKS, LLC**

This Certificate of Conversion to Limited Liability Company (the "Certificate") is being duly executed and filed by Ellacoya Networks, Inc., a Delaware corporation (the "Corporation"), to convert the Corporation to Ellacoya Networks, LLC, a Delaware limited liability company, pursuant to Section 18-214 of the Delaware Limited Liability Company Act (6 Del. C. § 18-101 et seq.).

1. The Corporation filed its original certificate of incorporation with the Secretary of State of the State of Delaware and was first incorporated on October 29, 1998, in the State of Delaware, and was incorporated in the State of Delaware immediately prior to the filing of this Certificate.

2. The Corporation's name immediately prior to the filing of this Certificate was Ellacoya Networks, Inc.

3. The name of the limited liability company to which the Corporation shall be converted as set forth in the certificate of formation of the limited liability company shall be Ellacoya Networks, LLC.

4. The conversion of the Corporation to a Delaware limited liability company shall be effective on December 14, 2012, at 12:01 A.M. Eastern Standard Time.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Conversion to Limited Liability Company as of December 13, 2012.

ELLACOYA NETWORKS, INC.

By: *Frank T. McFaden*  
Name: Frank T. McFaden  
Title: Vice President and Treasurer

**CERTIFICATE OF FORMATION**

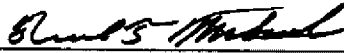
**OF**

**ELLACOYA NETWORKS, LLC**

The undersigned, being authorized to execute and file this Certificate of Formation hereby certifies that:

1. The name of the limited liability company formed hereby is Ellacoya Networks, LLC.
2. The address of its registered office in the State of Delaware is: Corporation Trust Center, 1209 Orange Street, Wilmington, New Castle County, Delaware 19801. The name of its registered agent at such address is The Corporation Trust Company.
3. This Certificate of Formation shall be effective on December 14, 2012, at 12:01 A.M. Eastern Standard Time.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Formation of Ellacoya Networks, LLC on this 13<sup>th</sup> day of December, 2012.

  
\_\_\_\_\_  
Frank T. McFaden, Authorized Person