

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3842386

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE NAME previously recorded on Reel 037574 Frame 0678. Assignor(s) hereby confirms the MERGER.
CONVEYING PARTY DATA	
Name	Execution Date
INTELLECTUAL VENTURES HOLDING 56 LLC	08/28/2015
RECEIVING PARTY DATA	
Name:	INTELLECTUAL VENTURES HOLDING 81 LLC
Street Address:	7251 W LAKE MEAD BLVD
Internal Address:	SUITE 300
City:	LAS VEGAS
State/Country:	NEVADA
Postal Code:	89128
PROPERTY NUMBERS Total: 30	
Property Type	Number
Patent Number:	5867209
Patent Number:	5982887
Patent Number:	6014136
Patent Number:	6026400
Patent Number:	5838302
Patent Number:	6065044
Patent Number:	6085219
Patent Number:	6148287
Patent Number:	6208744
Patent Number:	6240405
Patent Number:	6272490
Patent Number:	6366698
Patent Number:	6369802
Patent Number:	6473790
Patent Number:	6477548
Patent Number:	6487557
Patent Number:	6493743
Patent Number:	6496852

PATENT

Property Type	Number
Patent Number:	6519471
Patent Number:	6525716
Patent Number:	6658410
Patent Number:	6703918
Patent Number:	6753882
Patent Number:	6813605
Patent Number:	6985913
Patent Number:	7002557
Patent Number:	6034685
Patent Number:	RE44208
Patent Number:	7209944
Patent Number:	4945504

CORRESPONDENCE DATA

Fax Number: (425)679-0580

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.

Email: ivrecording@intven.com

Correspondent Name: FOLEY & LARDNER LLP

Address Line 1: 150 EAST GILMAN STREET

Address Line 2: VEREX PLAZA

Address Line 4: MADISON, WISCONSIN 53703

NAME OF SUBMITTER: JANICE GOEBEL

SIGNATURE: /Janice Goebel/

DATE SIGNED: 04/22/2016

Total Attachments: 25

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3709581

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	MERGER
EFFECTIVE DATE:	08/28/2015

CONVEYING PARTY DATA

Name	Execution Date
INTELLECTUAL VENTURES HOLDING 56 LLC	08/27/2015

RECEIVING PARTY DATA

Name:	INTELLECTUAL VENTURES FUND 81 LLC Intellectual Ventures Holding 81 LLC
Street Address:	7251 W LAKE MEAD BLVD
Internal Address:	STE 300
City:	LAS VEGAS
State/Country:	NEVADA
Postal Code:	89128

PROPERTY NUMBERS Total: 30

Property Type	Number
Patent Number:	5867209
Patent Number:	5982887
Patent Number:	6014136
Patent Number:	6026400
Patent Number:	5838302
Patent Number:	6065044
Patent Number:	6085219
Patent Number:	6148287
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Patent Number:	6272490
Patent Number:	6366698
Patent Number:	6369802
Patent Number:	6473790
Patent Number:	6477548
Patent Number:	6487557
Patent Number:	6493743
Patent Number:	6496852

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	MERGER
EFFECTIVE DATE:	08/28/2015

CONVEYING PARTY DATA	
Name	Execution Date
INTELLECTUAL VENTURES HOLDING 56 LLC	08/27/2015

RECEIVING PARTY DATA	
Name:	INTELLECTUAL VENTURES FUND 81 LLC Intellectual Ventures Holding 81 LLC
Street Address:	7251 W LAKE MEAD BLVD
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PATENT

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Patent Number:	6985913
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Patent Number:	6034685
Patent Number:	RE44208
Patent Number:	7209944
Patent Number:	4945504

CORRESPONDENCE DATA

Fax Number: (425)679-0580
Email: ivrecording@intven.com
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.
Correspondent Name: FOLEY & LARDNER LLP
Address Line 1: 150 EAST GILMAN STREET
Address Line 2: VEREX PLAZA
Address Line 4: MADISON, WISCONSIN 53703

NAME OF SUBMITTER:	JOANN REYNOLDS
Signature:	/Joann Reynolds/
Date:	01/25/2016

Total Attachments: 17
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RECEIPT INFORMATION

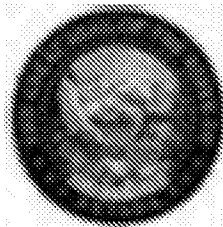
EPAS ID: PAT3709581
Receipt Date: 01/25/2016

PATENT

REEL 038502 FRAME: 0319

STATE OF NEVADA

BARBARA K. CEGAVSKE
Secretary of State



OFFICE OF THE
SECRETARY OF STATE

JEFFERY LANDERFELT
*Deputy Secretary
for Commercial Recordings*

Copy Request

October 9, 2015

Job Number: C20151009-0680
Reference Number: 00010098191-79
Expedite:
Through Date:

Document Number(s)	Description	Number of Pages
20150391192-13	Merge In	16 Pages/1 Copies

Respectfully,

A handwritten signature in black ink, reading "Barbara K. Cegavske". The signature is written in a cursive style with a large, stylized "B" and "C".

BARBARA K. CEGAVSKE
Secretary of State

Commercial Recording Division
202 N. Carson Street
Carson City, Nevada 89701-4201
Telephone (775) 684-5708
Fax (775) 684-7138

PATENT
REEL: 038502 FRAME: 0320



BARBARA K. CEGAVSKE
Secretary of State
202 North Carson Street
Carson City, Nevada 89701-4201
(775) 684-5708
Website: www.nvsos.gov



140105

Filed in the office of <i>Barbara K. Cegavske</i> Barbara K. Cegavske Secretary of State State of Nevada	Document Number 20150391192-13 Filing Date and Time 08/28/2015 3:18 PM Entity Number E0679592008-0
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Articles of Merger
(PURSUANT TO NRS 82A.200)
Page 1

USE BLACK INK ONLY - DO NOT HIGHLIGHT

ABOVE SPACE IS FOR OFFICE USE ONLY

Articles of Merger
(Pursuant to NRS Chapter 92A)

1) Name and jurisdiction of organization of each constituent entity (NRS 82A.200):

☒ If there are more than four merging entities, check box and attach an 8 1/2" x 11" blank sheet containing the required information for each additional entity from article one.

Intellectual Venture Funding LLC	
Name of merging entity	
Nevada	limited-liability company
Jurisdiction	Entity type *
Intellectual Ventures Fund 56 LLC	
Name of merging entity	
Nevada	limited-liability company
Jurisdiction	Entity type *
Intellectual Ventures Fund 57 LLC	
Name of merging entity	
Nevada	limited-liability company
Jurisdiction	Entity type *
Intellectual Ventures Fund 58 LLC	
Name of merging entity	
Nevada	limited-liability company
Jurisdiction	Entity type *
and,	
Intellectual Ventures Holding 81 LLC	
Name of surviving entity	
Nevada	limited-liability company
Jurisdiction	Entity type *

* Corporation, non-profit corporation, limited partnership, limited-liability company or business trust.

Filing Fee: \$350.00

This form must be accompanied by appropriate fees.

Nevada Secretary of State 92A Merger Page 1
Revised: 1-5-16



BARBARA K. CEGAVSKE
Secretary of State
202 North Carson Street
Carson City, Nevada 89701-4201
(775) 684-8708
Website: www.nvsos.gov

Articles of Merger
(PURSUANT TO NRS 92A.200)
Page 2

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- 2) Forwarding address where copies of process may be sent by the Secretary of State of Nevada (if a foreign entity is the survivor in the merger - NRS 92A.180):

Attn: _____

c/o: _____

- 3) Choose one:

- ☒ The undersigned declares that a plan of merger has been adopted by each constituent entity (NRS 92A.200).
- ☐ The undersigned declares that a plan of merger has been adopted by the parent domestic entity (NRS 92A.180).

- 4) Owner's approval (NRS 92A.200) (options a, b or c must be used, as applicable, for each entity):

- ☒ If there are more than four merging entities, check box and attach an 8 1/2" x 11" blank sheet containing the required information for each additional entity from the appropriate section of article four.

- (a) Owner's approval was not required from

Name of merging entity, if applicable

Name of merging entity, if applicable

Name of merging entity, if applicable

Name of merging entity, if applicable

and, or,

Name of surviving entity, if applicable

This form must be accompanied by appropriate fees.

Nevada Secretary of State 92A Merger Page 2
Revised: 1-5-15



BARBARA K. CEGAVSKE
Secretary of State
202 North Carson Street
Carson City, Nevada 89701-4201
(775) 684-5708
Website: www.nvsos.gov

Articles of Merger
(PURSUANT TO NRS 92A.200)
Page 3

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(b) The plan was approved by the required consent of the owners of *:

Intellectual Venture Funding LLC

Name of merging entity, if applicable

Intellectual Ventures Fund 56 LLC

Name of merging entity, if applicable

Intellectual Ventures Fund 57 LLC

Name of merging entity, if applicable

Intellectual Ventures Fund 58 LLC

Name of merging entity, if applicable

and, or:

Intellectual Ventures Holding 81 LLC

Name of surviving entity, if applicable

* Unless otherwise provided in the certificate of trust or governing instrument of a business trust, a merger must be approved by all the trustees and beneficial owners of each business trust that is a constituent entity in the merger.

This form must be accompanied by appropriate fees.

Nevada Secretary of State 62A Merger Page 3
Revised: 1-6-15



BARBARA K. CEGAVSKE
Secretary of State
202 North Carson Street
Carson City, Nevada 89701-4201
(775) 684-5708
Website: www.nvsos.gov

Articles of Merger

(PURSUANT TO NRS 92A.200)

Page 4

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(c) Approval of plan of merger for Nevada non-profit corporation (NRS 92A.160):

The plan of merger has been approved by the directors of the corporation and by each public officer or other person whose approval of the plan of merger is required by the articles of incorporation of the domestic corporation.

Name of merging entity, if applicable

Name of merging entity, if applicable

Name of merging entity, if applicable

Name of merging entity, if applicable

and, or:

Name of surviving entity, if applicable

This form must be accompanied by appropriate fees.

Nevada Secretary of State 92A Merger Page 4
Revised: 1-3-16



BARBARA K. CEGAVSKE
Secretary of State
202 North Carson Street
Carson City, Nevada 89701-4201
(775) 684-5703
Website: www.nvsos.gov

Articles of Merger
(PURSUANT TO NRS 92A.200)
Page 5

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5) Amendments, if any, to the articles or certificate of the surviving entity. Provide article numbers, if available. (NRS 92A.200)*:

6) Location of Plan of Merger (check a or b):

☐ (a) The entire plan of merger is attached;

or,

☒ (b) The entire plan of merger is on file at the registered office of the surviving corporation, limited-liability company or business trust, or at the records office address if a limited partnership, or other place of business of the surviving entity (NRS 92A.200).

7) Effective date and time of filing: (optional) (must not be later than 90 days after the certificate is filed)

Date: Time:

* Amended and restated articles may be attached as an exhibit or integrated into the articles of merger. Please entitle them "Restated" or "Amended and Restated," accordingly. The form to accompany restated articles prescribed by the secretary of state must accompany the amended and/or restated articles. Pursuant to NRS 92A.180 (merger of subsidiary into parent - Nevada parent owning 90% or more of subsidiary), the articles of merger may not contain amendments to the constituent documents of the surviving entity except that the name of the surviving entity may be changed.

This form must be accompanied by appropriate fees.

Nevada Secretary of State 92A Merger Page 5
Revised: 1-5-15



BARBARA K. CEGAVSKE
Secretary of State
202 North Carson Street
Carson City, Nevada 89701-4201
(775) 684-5708
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Articles of Merger
(PURSUANT TO NRS 92A.200)
Page 6

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B) Signatures - Must be signed by: An officer of each Nevada corporation; All general partners of each Nevada limited partnership; All general partners of each Nevada limited-liability limited partnership; A manager of each Nevada limited-liability company with managers or one member if there are no managers; A trustee of each Nevada business trust (NRS 92A.230)*

☒ If there are more than four merging entities, check box and attach an 8 1/2" x 11" blank sheet containing the required information for each additional entity from article eight.

Intellectual Venture Funding LLC			
Name of merging entity	Byron Springer, as Assistant Secretary of NV Manager LLC	Manager	8/27/2015
Signature	Manager	Title	Date
Intellectual Ventures Fund 56 LLC			
Name of merging entity	Byron Springer, as Assistant Secretary of NV Manager LLC	Manager	8/27/2015
Signature	Manager	Title	Date
Intellectual Ventures Fund 57 LLC			
Name of merging entity	Byron Springer, as Assistant Secretary of NV Manager LLC	Manager	8/27/2015
Signature	Manager	Title	Date
Intellectual Ventures Fund 58 LLC			
Name of merging entity	Byron Springer, as Assistant Secretary of NV Manager LLC	Manager	8/27/2015
Signature	Manager	Title	Date
and,			
Intellectual Ventures Holding 81 LLC			
Name of surviving entity	Byron Springer, as Assistant Secretary of NV Manager LLC	Manager	8/27/2015
Signature	Manager	Title	Date

* The articles of merger must be signed by each foreign constituent entity in the manner provided by the law governing it (NRS 92A.230). Additional signature blocks may be added to this page or as an attachment, as needed.

IMPORTANT: Failure to include any of the above information and submit with the proper fees may cause this filing to be rejected.

This form must be accompanied by appropriate fees.

Nevada Secretary of State 92A Merger Page 6
Revised: 1-6-15

Article One - Additional Merging Entities Pursuant to the Preceding Articles of Merger

Intellectual Ventures Fund 59 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Fund 60 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Fund 61 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Fund 62 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Fund 63 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Fund 64 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Fund 65 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Fund 66 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Fund 67 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Fund 69 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Fund 70 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Article One - Additional Merging Entities Pursuant to the Preceding Articles of Merger
continued

Intellectual Ventures Fund 71 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Fund 72 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Fund 73 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Fund 74 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Fund 75 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Fund 76 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Fund 77 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Fund 80 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Holding 56 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Holding 67 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Holding 68 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Article One - Additional Merging Entities Pursuant to the Preceding Articles of Merger
continued

Intellectual Ventures Holding 69 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Holding 73 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Holding 74 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Holding 75 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Holding 76 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Holding 78 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Holding 79 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Intellectual Ventures Holding 80 LLC

Jurisdiction: Nevada
Entity Type: limited-liability company

Article Four §b - Additional Merging Entities Pursuant to the Preceding Articles of Merger

The plan was approved by the required consent of the owners of (continued):

Intellectual Ventures Fund 59 LLC
Intellectual Ventures Fund 60 LLC
Intellectual Ventures Fund 61 LLC
Intellectual Ventures Fund 62 LLC
Intellectual Ventures Fund 63 LLC
Intellectual Ventures Fund 64 LLC
Intellectual Ventures Fund 65 LLC
Intellectual Ventures Fund 66 LLC
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Intellectual Ventures Holding 67 LLC
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Intellectual Ventures Holding 73 LLC
Intellectual Ventures Holding 74 LLC
Intellectual Ventures Holding 75 LLC
Intellectual Ventures Holding 76 LLC
Intellectual Ventures Holding 78 LLC
Intellectual Ventures Holding 79 LLC
Intellectual Ventures Holding 80 LLC

Article Eight – Additional Merging Entities' Signatures to the Preceding Articles of Merger

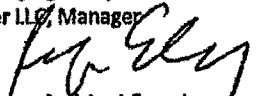
Name of Merging Entity: Intellectual Ventures Fund 59 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

Name of Merging Entity: Intellectual Ventures Fund 60 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

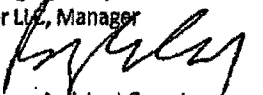
Name of Merging Entity: Intellectual Ventures Fund 61 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

Name of Merging Entity: Intellectual Ventures Fund 62 LLC
NV Manager LLC, Manager

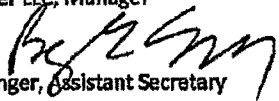
Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

Name of Merging Entity: Intellectual Ventures Fund 63 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

**Article Eight – Additional Merging Entities' Signatures to the Preceding Articles of Merger -
continued**

Name of Merging Entity: Intellectual Ventures Fund 64 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

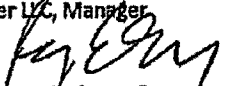
Name of Merging Entity: Intellectual Ventures Fund 65 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary Date: August 27, 2015

Name of Merging Entity: Intellectual Ventures Fund 66 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

Name of Merging Entity: Intellectual Ventures Fund 67 LLC
NV Manager LLC, Manager

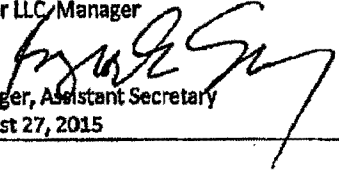
Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

Name of Merging Entity: Intellectual Ventures Fund 69 LLC
NV Manager LLC, Manager

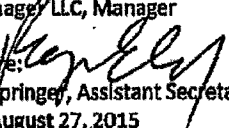
Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

**Article Eight – Additional Merging Entities' Signatures to the Preceding Articles of Merger -
continued**

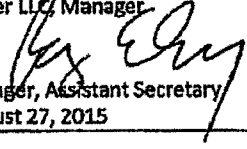
Name of Merging Entity: Intellectual Ventures Fund 70 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

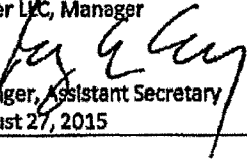
Name of Merging Entity: Intellectual Ventures Fund 71 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

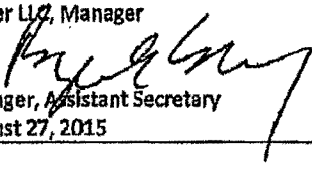
Name of Merging Entity: Intellectual Ventures Fund 72 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

Name of Merging Entity: Intellectual Ventures Fund 73 LLC
NV Manager LLC, Manager

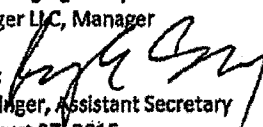
Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

Name of Merging Entity: Intellectual Ventures Fund 74 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

**Article Eight – Additional Merging Entities' Signatures to the Preceding Articles of Merger -
continued**

Name of Merging Entity: Intellectual Ventures Fund 75 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

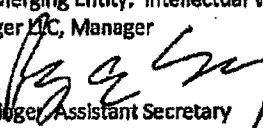
Name of Merging Entity: Intellectual Ventures Fund 76 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

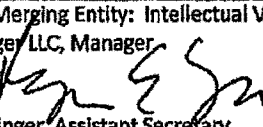
Name of Merging Entity: Intellectual Ventures Fund 77 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

Name of Merging Entity: Intellectual Ventures Fund 80 LLC
NV Manager LLC, Manager

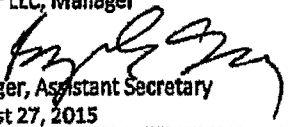
Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

Name of Merging Entity: Intellectual Ventures Holding 56 LLC
NV Manager LLC, Manager

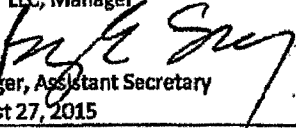
Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

**Article Eight – Additional Merging Entities' Signatures to the Preceding Articles of Merger -
continued**

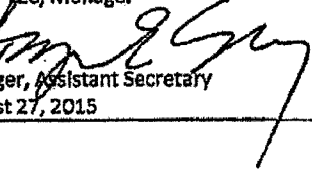
Name of Merging Entity: Intellectual Ventures Holding 57 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

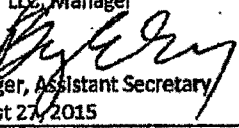
Name of Merging Entity: Intellectual Ventures Holding 68 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

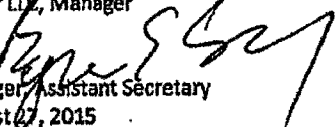
Name of Merging Entity: Intellectual Ventures Holding 69 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

Name of Merging Entity: Intellectual Ventures Holding 73 LLC
NV Manager LLC, Manager

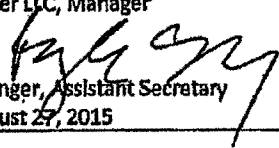
Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

Name of Merging Entity: Intellectual Ventures Holding 74 LLC
NV Manager LLC, Manager

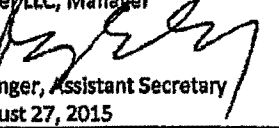
Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

**Article Eight – Additional Merging Entities' Signatures to the Preceding Articles of Merger -
continued**

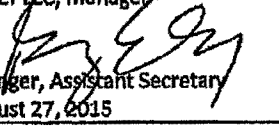
Name of Merging Entity: Intellectual Ventures Holding 75 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

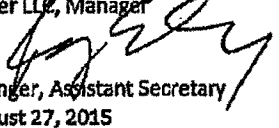
Name of Merging Entity: Intellectual Ventures Holding 76 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

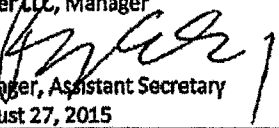
Name of Merging Entity: Intellectual Ventures Holding 78 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

Name of Merging Entity: Intellectual Ventures Holding 79 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015

Name of Merging Entity: Intellectual Ventures Holding 80 LLC
NV Manager LLC, Manager

Signature: 
Byron Springer, Assistant Secretary
Date: August 27, 2015