

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4448391

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GOOGLE INC.	09/01/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	X DEVELOPMENT LLC
<b>Street Address:</b>	1600 AMPHITHEATRE PARKWAY
<b>City:</b>	MOUNTAIN VIEW
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94043
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15601113
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(908)654-0415
<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>	(908) 518-6379
<b>Email:</b>	assignment@lerner david.com
<b>Correspondent Name:</b>	LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP
<b>Address Line 1:</b>	600 SOUTH AVENUE WEST
<b>Address Line 4:</b>	WESTFIELD, NEW JERSEY 07090
<b>ATTORNEY DOCKET NUMBER:</b>	ATOZX 3.0F-1864 CONT
<b>NAME OF SUBMITTER:</b>	TRACI KRAUSS
<b>SIGNATURE:</b>	/Traci Krauss/
<b>DATE SIGNED:</b>	06/07/2017
<b>Total Attachments: 39</b>	
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## ASSIGNMENT

WHEREAS, Google Inc., a corporation organized under the laws of the State of Delaware, having a place of business at 1600 Amphitheatre Parkway, Mountain View, CA 94043 ("ASSIGNOR"), is the owner of the entire right, title and interest in and to the patents and/or patent applications listed in the attached Exhibit A ("PATENTS AND PATENT APPLICATIONS").

WHEREAS, X DEVELOPMENT LLC, a limited liability company organized under the laws of the State of Delaware, having a place of business at 1600 Amphitheatre Parkway, Mountain View, CA 94043 ("ASSIGNEE"), desires to obtain the entire right, title and interest in and to the PATENTS AND PATENT APPLICATIONS.

NOW, THEREFORE, in consideration of the good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby assigns and transfers to ASSIGNEE the entire right, title and interest in and to the PATENTS AND PATENT APPLICATIONS, and all rights of enforcement thereto, including all rights to sue or recover for the past infringement thereof, and further including the right to file and prosecute in its own name, wherever so permitted by law, patent applications, including corresponding applications, based on any of the PATENTS AND PATENT APPLICATIONS, and to claim priority to any of the PATENTS AND PATENT APPLICATIONS pursuant to the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. ASSIGNEE may apply for and receive patents in its own name wherever so permitted by law and ASSIGNOR shall, when requested by ASSIGNEE, execute or cause to be executed all rightful oaths, assignments, and powers of attorney to ASSIGNEE or to agents and legal representatives of ASSIGNEE, and all other papers necessary and proper to carry out the intent and purpose of this Assignment, and ASSIGNOR further agrees:

a. to execute all papers necessary in connection with the PATENTS AND PATENT APPLICATIONS, and any continuing, divisional, reissue, reexamination or

other corresponding application thereof and to execute any separate Assignment in connection with such application as ASSIGNEE may deem necessary or expedient; and

b. to perform all affirmative acts which may be necessary to obtain a grant of a valid patent to ASSIGNEE on any of the PATENTS AND PATENT APPLICATIONS and on any continuation, division, reissue or reexamination of any of the PATENTS AND PATENT APPLICATIONS.

IN WITNESS WHEREOF, ASSIGNOR has caused this Assignment to be executed by its duly authorized representative on this September 1, 2016.

Google Inc.

By: 

Title: *Deputy General Counsel,  
Assistant Secretary*

Date: September 1, 2016

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

**CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of Santa Clara

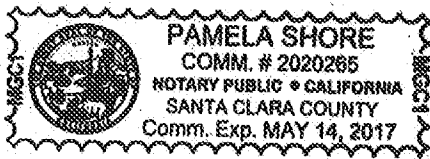
On 9/1/2016 before me, Pamela Shore, Notary Public  
Date Here Insert Name and Title of the Officer

personally appeared Allen M. Lo  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Pamela Shore  
Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

**Description of Attached Document**

Title or Type of Document: Assignment Document Date: \_\_\_\_\_

Number of Pages: \_\_\_\_\_ Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_

Corporate Officer -- Title(s): \_\_\_\_\_

Partner --  Limited  General

Individual  Attorney in Fact

Trustee  Guardian or Conservator

Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

Corporate Officer -- Title(s): \_\_\_\_\_

Partner --  Limited  General

Individual  Attorney in Fact

Trustee  Guardian or Conservator

Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

State of California  
County of Santa Clara

On \_\_\_\_\_, before me personally appeared  
\_\_\_\_\_, who proved to me on the basis of satisfactory  
evidence to be the person whose name is subscribed to the within instrument and  
acknowledged to me that he/she executed the same in his/her authorized capacity, and  
that by his/her signature on the instrument the person, or the entity upon behalf of which  
the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California  
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(Seal)

\_\_\_\_\_  
Notary Public

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

**CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California  
County of Santa Clara  
On 9/1/2016 before me, Pamela Shore, Notary Public  
Date Here Insert Name and Title of the Officer  
personally appeared Kenneth Yi  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Pamela Shore  
Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

**Description of Attached Document**

Title or Type of Document: Assignment Document Date: \_\_\_\_\_  
Number of Pages: \_\_\_\_\_ Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

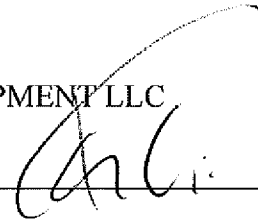
Signer's Name: \_\_\_\_\_  
 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  
 Other: \_\_\_\_\_  
Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_  
 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  
 Other: \_\_\_\_\_  
Signer Is Representing: \_\_\_\_\_

ASSIGNEE hereby accepts receipt of the entire right, title and interest in and to the PATENTS AND PATENT APPLICATIONS.

X DEVELOPMENT LLC

By: \_\_\_\_\_



Title: *CEO, President, and Secretary*

Date: September 1, 2016

State of California

County of Santa Clara

On \_\_\_\_\_, before me personally appeared \_\_\_\_\_, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(Seal)

\_\_\_\_\_  
Notary Public



## EXHIBIT A

X-File	Jurisdiction	Application Number	Filing Date	Issue Date	Patent Number
X-10042-00-US	US	13/156,001	6/8/2011	5/3/2016	9,329,767
X-10043-00-US	US	13/156,015	6/8/2011		
X-10044-00-US	US	13/156,182	6/8/2011	6/2/2015	9,046,999
X-10044-00-US-DIV	US	14/705,701	5/6/2015		
X-10046-00-US	US	13/156,252	6/8/2011		
X-10048-00-US	US	13/158,305	6/10/2011	8/19/2014	8,812,419
X-10049-00-US	US	13/292,071	11/8/2011		
X-10049-00-US-CON	US	15/041,883	2/11/2016		
X-10657-00-US	US	13/282,230	10/26/2011	5/8/2012	8,174,772
X-10750-00-US	US	13/213,738	8/19/2011		
X-10751-00-US	US	13/213,731	8/19/2011	10/28/2014	8,875,041
X-10752-00-US	US	13/213,717	8/19/2011	7/21/2015	9,086,757
X-10753-00-US	US	13/213,705	8/19/2011	3/3/2015	8,972,055
X-10753-00-US-CON	US	14/602,700	1/22/2015		
X-10754-00-US	US	13/213,678	8/19/2011	10/7/2014	8,854,485
X-10755-00-US	US	13/213,665	8/19/2011		
X-10756-00-US	US	13/213,648	8/19/2011	9/16/2014	8,836,730
X-10756-00-US-CON	US	14/459,437	8/14/2014	5/12/2015	9,030,501
X-10757-00-US	US	13/213,635	8/19/2011	9/16/2014	8,838,276
X-10757-00-US-CON	US	14/453,809	8/7/2014	5/17/2016	9,344,623
X-10999-00-PR	US	61/569,776	12/12/2011		
X-10999-00-US	US	13/346,666	1/9/2012	3/18/2014	8,676,893
X-13389-00-US	US	13/346,636	1/9/2012	5/6/2014	8,718,477
X-13389-00-US-CON	US	14/223,826	3/24/2014	8/2/2016	9,407,362
X-13390-00-US	US	13/346,620	1/9/2012	5/27/2014	8,733,697
X-13390-00-US-CON	US	14/286,070	5/23/2014	1/12/2016	9,233,746
X-13391-00-US	US	13/346,637	1/9/2012	9/2/2014	8,820,678
X-13391-00-US-CON	US	14/328,212	7/10/2014		
X-13391-00-US-DIV	US	14/328,226	7/10/2014		
X-13392-00-US	US	13/346,645	1/9/2012		
X-13393-00-US	US	13/346,654	1/9/2012	1/21/2014	8,634,974
X-13393-00-US-CON	US	14/108,542	12/17/2013	4/5/2016	9,306,668
X-13393-00-US-CON2	US	15/053,024	2/25/2016		
X-13394-00-US	US	13/366,100	2/3/2012	9/2/2014	8,825,847
X-13394-00-US-CIP	US	13/485,514	5/31/2012	3/8/2016	9,281,896
X-13394-00-US-CON	US	14/444,100	7/28/2014	3/8/2016	9,282,431
X-13394-00-US-CON2	US	15/008,274	1/27/2016		
X-13394-00-US-CON3	US	15/013,850	2/2/2016		
X-13807-00-US	US	13/625,788	9/24/2012		
X-13822-00-US	US	13/625,803	9/24/2012		

## EXHIBIT A

X-File	Jurisdiction	Application Number	Filing Date	Issue Date	Patent Number
X-14524-00-US	US	13/585,139	8/14/2012	10/21/2014	8,868,927
X-14699-00-US	US	13/546,806	7/11/2012	5/19/2015	9,033,274
X-14700-00-US	US	13/555,299	7/23/2012	3/31/2015	8,996,024
X-14701-00-US	US	13/470,677	5/14/2012		
X-14706-00-US	US	13/470,889	5/14/2012	11/25/2014	8,897,933
X-14711-00-US	US	13/532,884	6/26/2012	12/23/2014	8,918,047
X-14845-00-US	US	13/570,054	8/8/2012	12/16/2014	8,910,905
X-14846-00-US	US	13/595,821	8/27/2012		
X-14847-00-US	US	13/590,020	8/20/2012	3/3/2015	8,967,533
X-14847-00-US-CON	US	14/612,945	2/3/2015	5/3/2016	9,329,600
X-14850-00-US	US	13/547,503	7/12/2012		
X-14851-00-US	US	13/550,160	7/16/2012	3/24/2015	8,988,253
X-15243-00-PR	US	61/636,458	4/20/2012		
X-15243-00-US	US	13/599,444	8/30/2012	5/5/2015	9,025,111
X-15548-00-US	US	13/612,218	9/12/2012	3/10/2015	8,977,393
X-15554-00-US	US	13/622,456	9/19/2012	9/10/2013	8,532,820
X-15605-00-US	US	13/628,990	9/27/2012	3/15/2016	9,285,450
X-15605-00-US-CON	US	15/019,772	2/9/2016		
X-15738-00-US	US	13/630,272	9/28/2012	8/18/2015	9,107,462
X-15739-00-US	US	13/630,308	9/28/2012		
X-15778-00-US	US	13/588,930	8/17/2012		
X-15780-00-US	US	13/631,057	9/28/2012	9/16/2014	8,833,696
X-16126-00-PR	US	61/747,082	12/28/2012		
X-16402-00-US	US	13/657,348	10/22/2012	4/21/2015	9,014,417
X-16403-00-US	US	13/657,667	10/22/2012		
X-16404-00-US	US	13/657,363	10/22/2012	10/20/2015	9,164,596
X-16404-00-US-CON	US	14/918,097	10/20/2015		
X-16405-00-US	US	13/657,372	10/22/2012	11/24/2015	9,195,320
X-16406-00-US	US	13/657,691	10/22/2012		
X-16427-00-PR	US	61/805,761	3/27/2013		
X-16427-00-US	US	14/227,096	3/27/2014		
X-16583-00-US	US	13/730,222	12/28/2012	8/12/2014	8,804,228
X-16617-00-US	US	13/730,298	12/28/2012	6/9/2015	9,051,043
X-16617-00-US-CON	US	14/705,879	5/6/2015	9/6/2016	9,434,473
X-16617-00-US-CON2	US	15/147,762	5/5/2016		
X-16618-00-US	US	13/730,110	12/28/2012	12/9/2014	8,909,391
X-16618-00-US-CON	US	14/542,203	11/14/2014		
X-16619-00-US	US	13/732,958	1/2/2013	2/3/2015	8,948,935
X-16620-00-US	US	13/730,317	12/28/2012	1/6/2015	8,930,044
X-16620-00-US-CON	US	14/562,324	12/5/2014	9/6/2016	9,436,181

## EXHIBIT A

X-File	Jurisdiction	Application Number	Filing Date	Issue Date	Patent Number
X-16620-00-US-CON2	US	15/082,205	3/28/2016		
X-16621-00-US	US	13/730,189	12/28/2012	3/17/2015	8,983,682
X-16622-00-US	US	13/712,618	12/12/2012	10/6/2015	9,153,854
X-16622-00-US-CON	US	14/841,894	9/1/2015	4/5/2016	9,306,271
X-16623-00-US	US	13/731,979	12/31/2012	8/4/2015	9,096,301
X-16624-00-US	US	13/673,700	11/9/2012	3/3/2015	8,971,274
X-16624-00-US-CON	US	14/609,813	1/30/2015	3/29/2016	9,300,481
X-16624-00-US-CON2	US	15/050,071	2/22/2016		
X-16625-00-US	US	13/732,001	12/31/2012	8/19/2014	8,812,176
X-16626-00-US	US	13/729,219	12/28/2012	12/1/2015	9,203,148
X-16627-00-US	US	13/674,052	11/11/2012	12/23/2014	8,917,995
X-16628-00-US	US	13/618,365	9/14/2012	8/11/2015	9,106,336
X-16628-00-US-CON	US	14/795,875	7/9/2015		
X-16668-00-US	US	13/732,611	1/2/2013	8/25/2015	9,117,383
X-16669-00-US	US	13/754,732	1/30/2013		
X-16671-00-US	US	13/754,743	1/30/2013	9/29/2015	9,146,400
X-16673-00-US	US	13/732,654	1/2/2013		
X-16674-00-US	US	13/754,750	1/30/2013	6/9/2015	9,053,648
X-16675-00-US	US	13/664,147	10/30/2012	3/1/2016	9,274,369
X-16680-00-US	US	13/673,821	11/9/2012	9/16/2014	8,836,222
X-16681-00-US	US	13/673,827	11/9/2012		
X-16682-00-US	US	13/673,828	11/9/2012	8/9/2016	9,412,053
X-16729-00-US	US	13/692,957	12/3/2012		
X-16729-01-US	US	13/714,947	12/14/2012		
X-16883-00-US	US	13/730,867	12/29/2012	4/21/2015	9,014,957
X-16883-00-US-CON	US	14/664,872	3/22/2015	3/1/2016	9,275,551
X-16883-01-US	US	13/726,697	12/26/2012	9/30/2014	8,849,571
X-16883-02-US	US	13/732,546	1/2/2013		
X-16883-03-US	US	13/771,361	2/20/2013	11/4/2014	8,880,326
X-16883-04-US	US	13/742,209	1/15/2013	7/15/2014	8,781,727
X-16883-05-US	US	13/727,688	12/27/2012	11/24/2015	9,195,938
X-16883-05-US-CON	US	14/887,757	10/20/2015		
X-16883-06-US	US	13/727,157	12/26/2012		
X-16883-07-US	US	13/727,071	12/26/2012	8/23/2016	9424752
X-16883-08-US	US	13/748,708	1/24/2013	10/28/2014	8,874,356
X-16886-00-US	US	13/727,708	12/27/2012	2/3/2015	8,948,927
X-16887-00-US	US	13/729,781	12/28/2012	10/14/2014	8,862,403
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X-17851-00-US	US	13/861,280	4/11/2013	8/25/2015	9,114,866
X-17853-00-US	US	13/862,434	4/14/2013	11/3/2015	9,174,738

## EXHIBIT A

X-File	Jurisdiction	Application Number	Filing Date	Issue Date	Patent Number
X-17857-00-US	US	13/861,451	4/12/2013	8/4/2015	9,097,361
X-17882-00-US	US	13/943,935	7/17/2013		
X-17886-00-US	US	13/892,161	5/10/2013	7/28/2015	9,093,754
X-17886-00-US-CON	US	14/749,477	6/24/2015		
X-17887-00-US	US	13/863,485	4/16/2013	3/8/2016	9,281,554
X-17887-00-US-CON	US	15/003,760	1/21/2016		
X-17888-00-PR	US	61/831,539	6/5/2013		
X-17888-00-US	US	14/250,274	4/10/2014		
X-17888-00-US-CON	US	14/968,507	12/14/2015		
X-17888-01-PR	US	61/831,553	6/5/2013		
X-17888-01-US	US	14/297,529	6/5/2014		
X-17888-02-US	US	14/297,534	6/5/2014		
X-17901-00-US	US	13/899,363	5/21/2013	5/3/2016	9,327,816
X-17901-00-US-CON	US	15/088,372	4/1/2016		
X-17902-00-US	US	13/971,923	8/21/2013		
X-17939-00-US	US	13/932,887	7/1/2013	12/15/2015	9,211,942
X-17954-00-US	US	13/868,539	4/23/2013	7/21/2015	9,085,354
X-17983-00-US	US	13/863,298	4/15/2013		
X-17991-00-US	US	13/873,791	4/30/2013	4/28/2015	9,016,634
X-18237-00-US	US	13/937,857	7/9/2013		
X-18302-00-PR	US	61/882,847	9/26/2013		
X-18302-00-US	US	14/227,559	3/27/2014	2/23/2016	9,266,598
X-18303-00-US	US	13/916,225	6/12/2013		
X-18305-00-US	US	13/916,328	6/12/2013	4/5/2016	9,307,383
X-18382-00-US	US	13/942,467	7/15/2013	8/23/2016	9,424,809
X-18383-00-US	US	13/942,974	7/16/2013	8/9/2016	9,411,552
X-18384-00-US	US	14/032,644	9/20/2013	7/26/2016	9,401,128
X-18384-00-US-CON	US	15/202,251	7/5/2016		
X-18466-00-US	US	13/941,674	7/15/2013	6/30/2015	9,067,666
X-18466-00-US-CON	US	14/722,354	5/27/2015		
X-18498-00-US	US	14/010,012	8/26/2013		
X-18498-01-US	US	14/010,043	8/26/2013	6/2/2015	9,045,213
X-18645-00-DP	US	29/456,910	6/5/2013	10/27/2015	D741,843
X-18645-00-DP-DIV	US	29/540,393	9/24/2015		
X-18645-00-DP-DIV2	US	29/540,400	9/24/2015		
X-18708-00-US	US	13/951,551	7/26/2013		
X-18709-00-PR	US	61/882,393	9/25/2013		
X-18709-00-US	US	14/321,374	7/1/2014	5/17/2016	9,340,272
X-18710-00-PR	US	61/831,488	6/5/2013		
X-18710-01-PR	US	61/831,505	6/5/2013		

## EXHIBIT A

X-File	Jurisdiction	Application Number	Filing Date	Issue Date	Patent Number
X-18710-01-US	US	14/297,510	6/5/2014		
X-18710-02-US	US	14/297,517	6/5/2014		
X-18711-00-US	US	13/918,541	6/14/2013	8/11/2015	9,105,970
X-18712-00-US	US	13/903,462	5/28/2013	4/7/2015	8,998,128
X-18713-00-US	US	13/903,440	5/28/2013	11/3/2015	9,174,720
X-18718-00-US	US	13/930,109	6/28/2013	4/19/2016	9,318,774
X-18718-00-US-CON	US	15/070,627	3/15/2016		
X-18718-00-US-CON2	US	15/097,916	4/13/2016		
X-18829-00-US	US	13/975,590	8/26/2013	5/24/2016	9,346,547
X-18829-00-US-DIV	US	15/147,766	5/5/2016		
X-18845-00-PR	US	61/932,938	1/29/2014		
X-18871-00-US	US	14/014,822	8/30/2013	4/19/2016	9,319,905
X-18871-00-US-CON	US	15/048,010	2/19/2016		
X-18872-00-PR	US	61/884,825	9/30/2013		
X-18872-00-US	US	14/472,364	8/28/2014	4/26/2016	9,321,517
X-19094-00-US	US	14/028,251	9/16/2013	9/8/2015	9,126,682
X-19094-00-US-CIP	US	14/144,545	12/30/2013	9/8/2015	9,126,675
X-19094-00-US-CON2	US	14/831,687	8/20/2015		
X-19095-00-PR	US	61/867,917	8/20/2013		
X-19095-00-US	US	14/066,667	10/29/2013	6/21/2016	9,372,137
X-19095-00-US-CON	US	15/159,111	5/19/2016		
X-19110-00-PR	US	61/856,458	7/19/2013		
X-19110-00-US	US	14/144,998	12/31/2013		
X-19111-00-PR	US	61/856,462	7/19/2013		
X-19111-00-US	US	14/227,915	3/27/2014	5/10/2016	9,336,729
X-19111-00-US-CON	US	15/131,354	4/18/2016		
X-19112-00-PR	US	61/856,461	7/19/2013		
X-19112-00-US	US	14/145,747	12/31/2013		
X-19128-00-US	US	14/036,933	9/25/2013	3/29/2016	9,296,461
X-19128-00-US-CON	US	15/048,395	2/19/2016		
X-19130-00-US	US	14/041,637	9/30/2013	11/3/2015	9,174,718
X-19154-00-US	US	14/042,009	9/30/2013	9/22/2015	9,139,278
X-19263-00-US	US	14/076,236	11/10/2013	10/13/2015	9,158,304
X-19263-00-US-CON	US	14/854,012	9/14/2015	8/9/2016	9,409,646
X-19263-00-US-CON2	US	15/203,388	7/6/2016		
X-19427-00-US	US	14/071,396	11/4/2013	2/9/2016	9,254,906
X-19453-00-US	US	14/139,934	12/24/2013	3/22/2016	9,291,602
X-19470-00-US	US	14/108,421	12/17/2013		
X-19471-00-US	US	14/144,177	12/30/2013		
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## EXHIBIT A

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X-19473-00-US	US	14/082,245	11/18/2013		
X-19480-00-US	US	14/018,153	9/4/2013		
X-19532-00-US	US	14/077,280	11/12/2013	4/19/2016	9,318,789
X-19572-00-US	US	14/071,713	11/5/2013	4/21/2015	9,010,691
X-19574-00-PR	US	61/913,860	12/9/2013		
X-19574-00-US	US	14/143,787	12/30/2013		
X-19594-00-US	US	14/047,741	10/7/2013	6/14/2016	9,368,070
X-19594-00-US-CON	US	15/146,673	5/4/2016		
X-19596-00-US	US	14/047,775	10/7/2013	8/9/2016	9,412,336
X-19599-00-US	US	14/095,838	12/3/2013	12/29/2015	9,223,536
X-19600-00-US	US	14/095,793	12/3/2013		
X-19601-00-US	US	14/139,605	12/23/2013	4/12/2016	9,310,634
X-19602-00-US	US	14/084,430	11/19/2013	9/1/2015	9,123,266
X-19603-00-US	US	14/137,908	12/20/2013	5/24/2016	9,349,160
X-19609-00-US	US	14/132,300	12/18/2013		
X-19633-00-US	US	14/132,584	12/18/2013		
X-19634-00-US	US	14/133,216	12/18/2013	3/29/2016	9,300,388
X-19634-00-US-CON	US	15/046,715	2/18/2016		
X-19667-00-US	US	14/145,550	12/31/2013		
X-19668-00-PR	US	61/914,320	12/10/2013		
X-19668-00-US	US	14/102,483	12/10/2013	12/15/2015	9,211,951
X-19668-00-US-CON	US	14/620,194	2/12/2015	12/22/2015	9,216,824
X-19686-00-US	US	14/144,049	12/30/2013	12/15/2015	9,212,032
X-19686-00-US-CON	US	14/620,196	2/12/2015	12/15/2015	9,212,033
X-19785-00-US	US	14/142,825	12/28/2013	4/26/2016	9,325,224
X-19790-00-US	US	14/097,621	12/5/2013	9/29/2015	9,148,215
X-19812-00-US	US	14/144,493	12/30/2013		
X-19814-00-US	US	14/144,501	12/30/2013	10/27/2015	9,168,994
X-19814-00-US-CON	US	14/865,546	9/25/2015		
X-19816-00-US	US	14/143,543	12/30/2013	12/8/2015	9,205,920
X-19816-00-US-DIV	US	14/933,765	11/5/2015		
X-19817-00-US	US	14/145,287	12/31/2013		
X-19818-00-US	US	14/142,910	12/29/2013	5/31/2016	9,352,930
X-19896-00-US	US	14/133,838	12/19/2013	3/22/2016	9,294,016
X-19896-00-US-CON	US	14/620,210	2/12/2015	3/22/2016	9,294,017
X-19896-00-US-CON2	US	15/016,038	2/4/2016		
X-19988-00-US	US	14/137,286	12/20/2013		
X-19990-00-US	US	14/153,020	1/11/2014	12/29/2015	9,221,531
X-19990-00-US-CON	US	14/937,594	11/10/2015		
X-19992-00-US	US	14/183,771	2/19/2014	12/1/2015	9,201,426

## EXHIBIT A

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X-200082-00-US	US	15/080,027	3/24/2016		
X-20013-00-US	US	14/134,825	12/19/2013	4/19/2016	9,317,043
X-20013-00-US-CON	US	14/620,148	2/11/2015	10/27/2015	9,170,582
X-200133-00-US	US	15/099,203	4/14/2016		
X-200135-00-US	US	15/131,014	4/17/2016		
X-200139-00-US	US	15/159,487	5/19/2016		
X-200140-00-US	US	15/159,549	5/19/2016		
X-200157-00-PR	US	62/342,061	5/26/2016		
X-200157-00-US	US	15/204,315	7/7/2016		
X-200159-00-US	US	15/165,867	5/26/2016		
X-20017-00-US	US	14/144,146	12/30/2013	11/3/2015	9,174,732
X-20017-00-US-CON	US	14/620,204	2/12/2015	10/27/2015	9,169,013
X-20018-00-US	US	14/134,781	12/19/2013	6/16/2015	9,056,677
X-20019-00-US	US	14/141,882	12/27/2013	8/23/2016	9,422,918
X-20019-00-US-CON	US	14/620,191	2/12/2015		
X-20020-00-US	US	14/141,193	12/26/2013	7/12/2016	9,389,132
X-20020-00-US-CON	US	14/620,122	2/11/2015	5/3/2016	9,329,096
X-20021-00-US	US	14/144,667	12/31/2013	10/6/2015	9,151,272
X-20021-00-US-CON	US	14/826,542	8/14/2015		
X-200211-00-US	US	15/158,448	5/18/2016		
X-200219-00-US	US	15/187,445	6/20/2016		
X-200220-00-US	US	15/146,688	5/4/2016		
X-200221-00-US	US	15/146,692	5/4/2016		
X-200223-00-PR	US	62/331,383	5/3/2016		
X-200243-00-US	US	15/155,368	5/16/2016		
X-200244-00-US	US	15/155,388	5/16/2016		
X-200255-00-US	US	15/168,948	5/31/2016		
X-200256-00-PR	US	62/313,531	3/25/2016		
X-200256-00-PR2	US	62/366,411	7/25/2016		
X-200256-01-PR	US	62/313,544	3/25/2016		
X-200256-01-PR2	US	62/366,415	7/25/2016		
X-200257-00-PR	US	62/327,170	4/25/2016		
X-200257-00-US	US	15/218,872	7/25/2016		
X-200257-01-PR	US	62/327,172	4/25/2016		
X-200257-01-US	US	15/218,882	7/25/2016		
X-200258-00-US	US	15/151,852	5/11/2016		
X-200265-00-US	US	15/153,694	5/12/2016		
X-20027-00-US	US	14/135,128	12/19/2013	12/8/2015	9,205,921

## EXHIBIT A

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X-200283-00-US	US	15/151,926	5/11/2016		
X-200284-00-US	US	15/184,725	6/16/2016		
X-200288-00-US	US	15/226,710	8/2/2016		
X-200289-00-US	US	15/226,717	8/2/2016		
X-20029-00-US	US	14/143,691	12/30/2013		
X-200297-00-US	US	15/150,756	5/10/2016		
X-200303-00-US	US	15/165,885	5/26/2016		
X-200305-00-PR	US	62/315,128	3/30/2016		
X-200305-01-PR	US	62/325,080	4/20/2016		
X-200332-00-US	US	15/133,151	4/19/2016		
X-200339-00-US	US	15/241,721	8/19/2016		
X-200342-00-US	US	15/161,848	5/23/2016		
X-200345-00-PR	US	62/359,740	7/8/2016		
X-200345-00-US	US	15/215,068	7/20/2016		
X-20039-00-US	US	14/143,414	12/30/2013		
X-200395-00-US	US	15/196,090	6/29/2016		
X-200396-00-US	US	15/178,122	6/9/2016		
X-200397-00-US	US	15/172,766	6/3/2016		
X-200398-00-US	US	15/171,675	6/2/2016		
X-200399-00-US	US	15/163,179	5/24/2016		
X-20040-00-US	US	14/140,290	12/24/2013		
X-200411-00-US	US	15/223,062	7/29/2016		
X-200412-00-US	US	15/164,125	5/25/2016		
X-200413-00-US	US	15/214,288	7/19/2016		
X-200415-00-US	US	15/178,685	6/10/2016		
X-200416-00-US	US	62/378,319	8/23/2016		
X-200418-00-US	US	15/159,014	5/19/2016		
X-200420-00-US	US	15/165,752	5/26/2016		
X-200422-00-US	US	15/186,393	6/17/2016		
X-20043-00-US	US	14/137,724	12/20/2013		
X-200439-00-PR	US	62/310,370	3/18/2016		
X-200439-00-US	US	15/165,616	5/26/2016		
X-200453-00-US	US	15/177,321	6/8/2016		
X-200454-00-US	US	15/177,326	6/8/2016		
X-200455-00-US	US	15/177,314	6/8/2016		
X-200456-00-US	US	15/177,323	6/8/2016		
X-200457-00-US	US	15/177,319	6/8/2016		
X-200464-00-US	US	15/171,274	6/2/2016		
X-20047-00-US	US	14/137,677	12/20/2013		



## EXHIBIT A

X-File	Jurisdiction	Application Number	Filing Date	Issue Date	Patent Number
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X-200488-00-PR	US	62/342,065	5/26/2016		
X-200488-00-US	US	15/204,212	7/7/2016		
X-200515-00-US	US	15/179,585	6/10/2016		
X-200520-00-US	US	15/165,205	5/26/2016		
X-200528-00-PR	US	62/316,987	4/1/2016		
X-200531-00-US	US	15/195,607	6/28/2016		
X-200537-00-US	US	15/222,606	7/28/2016		
X-200538-00-US	US	15/222,638	7/28/2016		
X-200539-00-US	US	15/187,582	6/20/2016		
X-200541-00-US	US	15/216,145	7/21/2016		
X-200542-00-US	US	15/178,120	6/9/2016		
X-200543-00-US	US	15/199,675	6/30/2016		
X-200544-00-US	US	15/192,830	6/24/2016		
X-200554-00-US	US	15/205,760	7/8/2016		
X-200556-00-US	US	15/230,412	8/6/2016		
X-200557-00-US	US	15/212,967	7/18/2016		
X-20060-00-US	US	14/171,355	2/3/2014	5/3/2016	9,327,817
X-20060-00-US-CON	US	15/090,456	4/4/2016		
X-20062-00-US	US	14/173,100	2/5/2014	5/3/2016	9,327,818
X-20062-00-US-CON	US	15/090,462	4/4/2016		
X-20072-00-US	US	14/144,272	12/30/2013	4/12/2016	9,308,975
X-20072-00-US-CON	US	14/620,104	2/11/2015	5/3/2016	9,327,845
X-20072-00-US-CON2	US	15/143,027	4/29/2016		
X-20087-00-US	US	14/224,021	3/24/2014	1/5/2016	9,227,168
X-20295-00-US	US	14/152,630	1/10/2014	8/16/2016	9,417,325
X-20295-00-US-CON	US	15/204,949	7/7/2016		
X-20341-00-US	US	14/179,673	2/13/2014	5/3/2016	9,327,819
X-20341-01-US	US	14/179,710	2/13/2014	5/3/2016	9,327,844
X-20341-01-US-CON	US	15/086,918	3/31/2016		
X-20355-00-US	US	14/189,582	2/25/2014	1/5/2016	9,231,698
X-20381-00-PR	US	61/918,840	12/20/2013		
X-20381-00-US	US	14/514,610	10/15/2014		
X-20382-00-PR	US	61/918,854	12/20/2013		
X-20382-00-US	US	14/509,503	10/8/2014		
X-20383-00-PR	US	61/918,882	12/20/2013		
X-20383-00-US	US	14/283,900	5/21/2014	8/23/2016	9,422,048
X-20384-00-PR	US	61/918,894	12/20/2013		
X-20384-00-US	US	14/283,946	5/21/2014	7/21/2015	9,085,348
X-20385-00-PR	US	61/918,772	12/20/2013		

**EXHIBIT A**

<b>X-File</b>	<b>Jurisdiction</b>	<b>Application Number</b>	<b>Filing Date</b>	<b>Issue Date</b>	<b>Patent Number</b>
X-20385-00-US	US	14/338,756	7/23/2014	6/21/2016	9,371,123
X-20385-00-US-CON	US	15/160,140	5/20/2016		
X-20385-01-US	US	14/449,518	8/1/2014		
X-20386-00-US	US	14/177,575	2/11/2014	11/10/2015	9,180,955
X-20386-00-US-CON	US	14/873,297	10/2/2015	5/24/2016	9,346,530
X-20386-00-US-CON2	US	15/084,633	3/30/2016		
X-20387-00-US	US	14/179,064	2/12/2014	7/28/2015	9,090,323
X-20387-00-US-CON	US	14/740,604	6/16/2015		
X-20426-00-US	US	14/184,026	2/19/2014	5/31/2016	9,353,792
X-20564-00-US	US	14/202,971	3/10/2014		
X-20567-00-US	US	14/202,979	3/10/2014		
X-20747-00-US	US	14/243,349	4/2/2014		
X-20758-00-US	US	14/228,350	3/28/2014		
X-20759-00-US	US	14/244,042	4/3/2014	3/29/2016	9,296,462
X-20762-00-US	US	14/249,841	4/10/2014	5/12/2015	9,027,877
X-20762-00-US-CON	US	14/703,061	5/4/2015	6/21/2016	9,371,124
X-20762-00-US-CON2	US	15/161,613	5/23/2016		
X-20784-00-US	US	14/254,448	4/16/2014		
X-20794-00-PR	US	61/981,050	4/17/2014		
X-20794-00-US	US	14/485,412	9/12/2014	5/31/2016	9,353,033
X-20794-00-US-CON	US	14/620,201	2/12/2015	2/2/2016	9,248,910
X-20794-00-US-CON2	US	15/167,415	5/27/2016		
X-20884-00-US	US	14/310,161	6/20/2014	3/22/2016	9,290,258
X-20900-00-US	US	14/254,311	4/16/2014	7/26/2016	9,400,405
X-20900-00-US-CON	US	15/202,262	7/5/2016		
X-20923-00-PR	US	61/991,496	5/10/2014		
X-20923-00-US	US	14/619,673	2/11/2015		
X-20924-00-PR	US	61/991,513	5/11/2014		
X-20924-00-US	US	14/706,162	5/7/2015		
X-20926-00-US	US	14/274,694	5/10/2014	2/16/2016	9,262,929
X-20968-00-US	US	14/270,518	5/6/2014	5/12/2015	9,027,874
X-20968-00-US-CON	US	14/703,045	5/4/2015	11/3/2015	9,174,719
X-20984-00-US	US				
X-20985-00-PR	US				
X-20985-00-US	US				
X-20995-00-US	US	14/281,846	5/19/2014	8/23/2016	9,422,139
X-20995-00-US-CON	US	15/222,150	7/28/2016		
X-20996-00-US	US	14/281,558	5/19/2014		
X-21076-00-US	US	14/230,796	3/31/2014		
X-21108-00-US	US	14/303,163	6/12/2014	11/3/2015	9,176,370

## EXHIBIT A

X-File	Jurisdiction	Application Number	Filing Date	Issue Date	Patent Number
X-21121-00-US	US	14/288,432	5/28/2014	6/14/2016	9,366,323
X-21121-00-US-CON	US	15/155,636	5/16/2016		
X-21122-00-US	US	14/275,984	5/13/2014	7/26/2016	9,400,035
X-21122-00-US-DIV	US	15/191,810	6/24/2016		
X-21123-00-US	US	14/292,967	6/2/2014	3/29/2016	9,297,442
X-21123-00-US-CON	US	15/046,608	2/18/2016		
X-21125-00-US	US	14/288,662	5/28/2014	1/5/2016	9,231,503
X-21126-00-US	US	14/288,438	5/28/2014	6/28/2016	9,375,841
X-21129-00-US	US	14/293,065	6/2/2014	5/24/2016	9,346,165
X-21132-00-US	US	14/276,032	5/13/2014	1/5/2016	9,228,909
X-21132-00-US-DIV	US	14/957,264	12/2/2015		
X-21157-00-US	US				
X-21158-00-PR	US				
X-21158-00-US	US				
X-21158-00-US-CON	US				
X-21159-00-PR	US				
X-21159-00-US	US				
X-21160-00-US	US				
X-21160-00-US-CON	US				
X-21161-00-US	US				
X-21175-00-PR	US	62/009,634	6/9/2014		
X-21175-00-US	US	14/587,091	12/31/2014		
X-21247-00-US	US	14/280,184	5/16/2014		
X-21280-00-PR	US	61/987,367	5/1/2014		
X-21280-00-US	US	14/463,530	8/19/2014		
X-21290-00-US	US	14/303,190	6/12/2014	4/21/2015	9,013,790
X-21354-00-US	US	14/316,697	6/26/2014		
X-21355-00-US	US	14/320,565	6/30/2014		
X-21358-00-PR	US	62/018,977	6/30/2014		
X-21358-00-US	US	14/587,062	12/31/2014		
X-21359-00-PR	US	62/018,942	6/30/2014		
X-21359-00-US	US	14/587,279	12/31/2014		
X-21362-00-US	US	14/320,133	6/30/2014		
X-21363-00-PR	US	62/019,412	6/30/2014		
X-21363-00-US	US	14/587,683	12/31/2014		
X-21364-00-PR	US	62/019,273	6/30/2014		
X-21364-00-US	US	14/586,909	12/30/2014		
X-21384-00-US	US	14/318,137	6/27/2014		
X-21422-00-PR	US	62/021,516	7/7/2014		
X-21422-00-US	US	14/588,105	12/31/2014		

## EXHIBIT A

X-File	Jurisdiction	Application Number	Filing Date	Issue Date	Patent Number
X-21423-00-US	US	14/325,187	7/7/2014	12/15/2015	9,214,022
X-21451-00-US	US	14/325,994	7/8/2014	4/26/2016	9,321,531
X-21451-00-US-CON	US	15/077,571	3/22/2016		
X-21502-00-US	US	14/333,258	7/16/2014	3/1/2016	9,272,417
X-21502-00-US-CON	US	15/006,264	1/26/2016		
X-21503-00-US	US	14/333,288	7/16/2014	12/8/2015	9,205,558
X-21563-00-US	US	14/317,735	6/27/2014		
X-21564-00-US	US	14/447,270	7/30/2014		
X-21565-00-US	US	14/330,802	7/14/2014	4/12/2016	9,312,950
X-21565-00-US-CON	US	15/044,865	2/16/2016		
X-21566-00-US	US	14/502,167	9/30/2014	4/26/2016	9,323,966
X-21567-00-US	US	14/502,175	9/30/2014	5/31/2016	9,357,341
X-21589-00-US	US	14/333,173	7/16/2014	3/15/2016	9,283,678
X-21589-00-US-CON	US	15/005,362	1/25/2016		
X-21591-00-PR	US	62/028,389	7/24/2014		
X-21591-00-US	US	14/804,621	7/21/2015		
X-21592-00-US	US	14/340,398	7/24/2014		
X-21593-00-PR	US	62/022,871	7/10/2014		
X-21593-00-US	US	14/467,348	8/25/2014	7/19/2016	9,393,693
X-21610-01-US	US	14/338,845	7/23/2014		
X-21610-02-US	US	14/340,684	7/25/2014		
X-21610-02-US-DIV	US	14/633,369	2/27/2015		
X-21678-00-US	US	14/451,993	8/5/2014		
X-21770-00-PR	US	62/038,060	8/15/2014		
X-21770-00-US	US	14/537,855	11/10/2014		
X-21819-00-PR	US	62/041,354	8/25/2014		
X-21819-00-US	US	14/834,245	8/24/2015		
X-21821-00-PR	US	62/041,393	8/25/2014		
X-21821-00-US	US	14/834,191	8/24/2015		
X-21826-00-PR	US	62/041,299	8/25/2014		
X-21826-00-US	US	14/835,411	8/25/2015		
X-21827-00-PR	US	62/041,173	8/25/2014		
X-21827-00-US	US	14/829,716	8/19/2015		
X-21829-00-US	US	14/466,379	8/22/2014	8/23/2016	9,424,470
X-21829-00-US-CON	US	15/219,798	7/26/2016		
X-21830-00-US	US	14/463,156	8/19/2014	5/3/2016	9,327,406
X-21831-00-PR	US	62/041,338	8/25/2014		
X-21831-00-US	US	14/541,576	11/14/2014	8/30/2016	9427874
X-21831-00-US-CON	US	15/226,353	8/2/2016		
X-21832-00-PR	US	62/041,289	8/25/2014		

## EXHIBIT A

X-File	Jurisdiction	Application Number	Filing Date	Issue Date	Patent Number
X-21832-00-US	US	14/583,903	12/29/2014		
X-21833-00-PR	US	62/041,512	8/25/2014		
X-21833-00-US	US	14/584,070	12/29/2014		
X-21838-00-PR	US	62/037,591	8/14/2014		
X-21838-00-US	US	14/586,242	12/30/2014		
X-21839-00-PR	US	62/057,585	9/30/2014		
X-21839-00-US	US	14/579,990	12/22/2014		
X-21894-00-PR	US	62/043,514	8/29/2014		
X-21894-00-US	US	14/577,664	12/19/2014	12/8/2015	9,205,562
X-21895-00-PR	US	62/043,463	8/29/2014		
X-21895-00-US	US	14/584,016	12/29/2014		
X-21906-00-PR	US	62/057,722	9/30/2014		
X-21906-00-US	US	14/584,233	12/29/2014		
X-21916-00-US	US	14/474,105	8/30/2014		
X-21954-00-PR	US	62/046,158	9/4/2014		
X-21954-00-US	US	14/582,130	12/23/2014	7/5/2016	9,381,961
X-21955-00-PR	US	62/045,066	9/3/2014		
X-21955-00-US	US	14/613,653	2/4/2015		
X-21956-00-PR	US	62/045,074	9/3/2014		
X-21956-00-US	US	14/616,814	2/9/2015		
X-21990-00-US	US	14/480,848	9/9/2014	5/24/2016	9,346,531
X-21990-00-US-CON	US	15/137,195	7/11/2016		
X-21991-00-US	US	14/503,156	9/30/2014		
X-22032-00-US	US	14/470,515	8/27/2014		
X-22045-00-US	US	14/493,752	9/23/2014		
X-22066-00-US	US	14/484,955	9/12/2014		
X-22084-00-US	US	14/481,638	9/9/2014		
X-22094-00-US	US	14/513,103	10/13/2014		
X-22111-00-PR	US	62/045,076	9/3/2014		
X-22111-00-US	US	14/613,632	2/4/2015		
X-22112-00-US	US	14/488,533	9/17/2014	2/16/2016	9,261,893
X-22112-00-US-CON	US	14/989,898	1/7/2016		
X-22113-00-PR	US	62/051,336	9/17/2014		
X-22113-00-US	US	14/703,050	5/4/2015	3/8/2016	9,280,159
X-22113-00-US-CON	US	15/012,091	2/1/2016		
X-22169-00-US	US	14/517,101	10/17/2014		
X-22205-00-US	US	14/744,814	6/19/2015		
X-22211-00-US	US	14/741,110	6/16/2015		
X-22246-00-PR	US	62/059,521	10/3/2014		
X-22247-00-PR	US	62/059,951	10/5/2014		

## EXHIBIT A

X-File	Jurisdiction	Application Number	Filing Date	Issue Date	Patent Number
X-22247-00-US	US	14/523,214	10/24/2014		
X-22249-00-US	US	14/699,058	4/29/2015		
X-22271-00-PR	US	62/042,517	8/27/2014		
X-22276-00-US	US	14/483,073	9/10/2014		
X-22324-00-US	US	14/505,357	10/2/2014		
X-22339-00-US	US	14/513,119	10/13/2014		
X-22396-00-PR	US	62/043,396	8/28/2014		
X-22396-00-US	US	14/584,181	12/29/2014	11/3/2015	9,174,733
X-22396-00-US-CON	US	14/875,362	10/5/2015	4/5/2016	9,302,770
X-22396-01-PR	US	62/043,397	8/28/2014		
X-22396-01-US	US	14/584,189	12/29/2014		
X-22396-02-PR	US	62/043,399	8/28/2014		
X-22396-02-US	US	14/584,195	12/29/2014		
X-22400-00-US	US	14/547,609	11/19/2014	9/1/2015	9,120,551
X-22418-00-US	US	14/920,793	10/22/2015		
X-22427-00-US	US	14/540,571	11/13/2014	1/26/2016	9,242,712
X-22427-00-US-CON	US	14/972,364	12/17/2015	5/10/2016	9,334,037
X-22429-00-US	US	14/546,144	11/18/2014	5/24/2016	9,346,532
X-22429-00-US-CON	US	15/137,227	4/25/2016		
X-22430-00-US	US	14/546,412	11/18/2014	2/23/2016	9,266,599
X-22430-00-US-CON	US	15/001,367	1/20/2016		
X-22454-00-PR	US	62/093,121	12/17/2014		
X-22454-00-US	US	14/880,857	10/12/2015		
X-22462-00-US	US	14/586,947	12/30/2014		
X-22558-00-US	US	14/543,616	11/17/2014	2/2/2016	9,250,508
X-22561-00-US	US	14/584,301	12/29/2014	2/9/2016	9,256,115
X-22598-00-PR	US	62/078,202	11/11/2014		
X-22598-00-US	US	14/588,082	12/31/2014		
X-22599-00-US	US	14/577,572	12/19/2014		
X-22600-00-US	US	14/588,039	12/31/2014		
X-22601-00-US	US	14/574,324	12/17/2014		
X-22602-00-US	US	14/574,158	12/17/2014		
X-22603-00-US	US	14/574,201	12/17/2014		
X-22604-00-US	US	14/574,333	12/17/2014		
X-22605-00-US	US	14/537,390	11/10/2014	9/6/2016	9,434,069
X-22606-00-US	US	14/558,913	12/3/2014		
X-22607-00-US	US	14/538,608	11/11/2014		
X-22608-00-PR	US	62/078,250	11/11/2014		
X-22608-00-US	US	14/863,620	9/24/2015		
X-22609-00-US	US	14/538,047	11/11/2014		

## EXHIBIT A

X-File	Jurisdiction	Application Number	Filing Date	Issue Date	Patent Number
X-22622-00-US	US	14/537,145	11/10/2014		
X-22676-00-US	US	14/569,121	12/12/2014		
X-22677-00-US	US	14/578,446	12/21/2014		
X-22677-00-US-CON	US	15/222,485	7/28/2016		
X-22697-00-US	US	14/561,369	12/5/2014		
X-22698-00-US	US	14/580,682	12/23/2014		
X-22727-00-US	US	14/561,850	12/5/2014	7/19/2016	9,393,699
X-22728-00-US	US	14/570,183	12/15/2014		
X-22728-01-US	US	14/989,026	1/6/2016		
X-22730-00-US	US	14/559,134	12/3/2014	6/28/2016	9,375,853
X-22730-00-US-CON	US	15/165,160	5/26/2016		
X-22808-00-US	US	14/584,610	12/29/2014		
X-22842-00-US	US	14/598,009	1/15/2015		
X-22868-00-US	US	14/986,036	12/31/2015		
X-22873-00-PR	US	62/127,705	3/3/2015		
X-22873-00-US	US	14/971,122	12/16/2015		
X-22887-00-US	US	15/070,852	3/15/2016		
X-22908-00-US	US	14/597,858	1/15/2015		
X-22936-00-PR	US	62/154,464	4/29/2015		
X-22936-00-US	US	14/733,745	6/8/2015		
X-22954-00-PR	US	62/135,943	3/20/2015		
X-22954-00-US	US	14/971,838	12/16/2015		
X-22971-00-US	US	14/608,448	1/29/2015		
X-22971-00-US-CON	US	14/706,317	5/7/2015		
X-23003-00-US	US	14/746,076	6/22/2015		
X-23004-00-US	US	14/746,392	6/22/2015		
X-23005-00-US	US	14/920,592	10/22/2015		
X-23100-00-US	US	14/635,492	3/2/2015	8/9/2016	9,409,645
X-23100-00-US-CON	US	15/226,786	8/2/2016		
X-23102-00-US	US	14/665,653	3/23/2015		
X-23134-00-US	US	14/658,224	3/15/2015		
X-23135-00-US	US	14/929,003	10/30/2015		
X-23163-00-US	US	14/672,706	3/30/2015		
X-23164-00-US	US	14/672,750	3/30/2015		
X-23165-00-US	US	14/679,286	4/6/2015		
X-23166-00-US	US	14/733,530	6/8/2015		
X-23167-00-US	US	14/684,771	4/13/2015		
X-23168-00-US	US	14/673,165	3/30/2015		
X-23169-00-US	US	14/669,374	3/26/2015		
X-23170-00-US	US	14/672,369	3/30/2015		

## EXHIBIT A

X-File	Jurisdiction	Application Number	Filing Date	Issue Date	Patent Number
X-23171-00-PR	US	62/102,491	1/12/2015		
X-23171-00-US	US	14/744,641	6/19/2015		
X-23172-00-US	US	14/672,302	3/30/2015		
X-23173-00-PR	US	62/139,844	3/30/2015		
X-23173-00-US	US	14/792,534	7/6/2015		
X-23213-00-US	US	14/736,847	6/11/2015		
X-23222-00-US	US	14/673,438	3/30/2015		
X-23223-00-US	US	14/683,721	4/10/2015	6/7/2016	9,358,975
X-23223-00-US-CON	US	15/148,055	5/6/2016		
X-23225-00-US	US	14/683,665	4/10/2015		
X-23268-00-US	US	14/667,655	3/24/2015		
X-23280-00-US	US	14/695,166	4/24/2015		
X-23284-00-US	US	14/697,375	4/27/2015		
X-23311-00-US	US	14/924,945	10/28/2015		
X-23344-00-US	US	14/963,541	12/9/2015		
X-23345-00-PR	US	62/314,582	3/29/2016		
X-23349-00-US	US	14/701,396	4/30/2015		
X-23353-00-US	US	14/704,625	5/5/2015		
X-23406-00-PR	US	62/143,295	4/6/2015		
X-23407-00-PR	US	62/158,697	5/8/2015		
X-23418-00-US	US	14/750,799	6/25/2015		
X-23439-00-US	US	14/948,112	11/20/2015		
X-23440-00-US	US	14/968,535	12/14/2015		
X-23441-00-US	US	14/872,531	10/1/2015		
X-23446-00-US	US	15/130,874	4/15/2016		
X-23447-00-US	US	15/130,880	4/15/2016		
X-23460-00-US	US	14/809,913	7/27/2015		
X-23461-00-US	US	14/717,586	5/20/2015		
X-23463-00-US	US	14/746,464	6/22/2015		
X-23472-00-US	US	14/727,582	6/1/2015		
X-23479-00-US	US	14/724,207	5/28/2015		
X-23480-00-US	US	14/723,349	5/27/2015		
X-23482-00-US	US	14/724,178	5/28/2015		
X-23483-00-US	US	14/724,193	5/28/2015		
X-23500-00-PR	US	62/170,464	6/3/2015		
X-23500-00-US	US	15/171,984	6/2/2016		
X-23505-00-US	US	14/731,142	6/4/2015		
X-23527-00-US	US	14/744,689	6/19/2015		
X-23551-00-US	US	14/843,668	9/2/2015		
X-23565-00-US	US	14/723,373	5/27/2015		



## EXHIBIT A

X-File	Jurisdiction	Application Number	Filing Date	Issue Date	Patent Number
X-23579-00-US	US	14/687,137	4/15/2015		
X-23586-00-US	US	14/857,524	9/17/2015		
X-23595-00-US	US	14/826,743	8/14/2015		
X-23649-00-US	US	14/750,800	6/25/2015		
X-23657-00-US	US	14/752,998	6/28/2015		
X-23658-00-US	US	14/752,966	6/28/2015		
X-23659-00-US	US	14/797,529	7/13/2015		
X-23660-00-PR	US	62/280,017	1/18/2016		
X-23678-00-US	US	14/833,792	8/24/2015		
X-23679-00-US	US	14/833,811	8/24/2015		
X-23680-00-US	US	14/809,180	7/25/2015		
X-23681-00-US	US	14/809,181	7/25/2015		
X-23688-00-PR	US	62/182,112	6/19/2015		
X-23688-00-US	US	14/838,498	8/28/2015		
X-23689-00-US	US	14/818,233	8/4/2015		
X-23772-00-US	US	14/807,434	7/23/2015		
X-23773-00-US	US	14/807,464	7/23/2015		
X-23775-00-US	US	14/797,912	7/13/2015		
X-23776-00-US	US	14/799,508	7/14/2015		
X-23777-00-US	US	14/799,511	7/14/2015		
X-23821-00-PR	US	62/201,536	8/5/2015		
X-23821-00-US	US	14/928,850	10/30/2015		
X-23835-00-US	US	14/810,151	7/27/2015		
X-23899-00-US	US	14/811,189	7/28/2015		
X-23900-00-US	US	14/810,742	7/28/2015		
X-23913-00-US	US	14/817,916	8/4/2015		
X-23917-00-US	US	14/831,549	8/20/2015		
X-23919-00-US	US	14/827,784	8/17/2015		
X-23920-00-US	US	14/821,730	8/8/2015		
X-23935-00-PR	US	62/335,676	5/12/2016		
X-23936-00-US	US	14/971,304	12/16/2015		
X-23937-00-US	US	14/822,009	8/10/2015		
X-23938-00-US	US	14/822,483	8/10/2015		
X-23939-00-US	US	14/819,874	8/6/2015		
X-23964-00-US	US	14/823,050	8/11/2015		
X-23993-00-PR	US	62/205,405	8/14/2015		
X-23993-00-US	US	14/924,687	10/27/2015		
X-23994-00-US	US	14/807,797	7/23/2015		
X-23995-00-US	US	14/828,437	8/17/2015		
X-23996-00-US	US	14/828,445	8/17/2015		

## EXHIBIT A

X-File	Jurisdiction	Application Number	Filing Date	Issue Date	Patent Number
X-24019-00-US	US	14/831,259	8/20/2015		
X-24044-00-US	US	14/836,529	8/26/2015		
X-24101-00-US	US	14/832,656	8/21/2015		
X-24102-00-US	US	14/834,980	8/25/2015		
X-24103-00-US	US	14/850,909	9/10/2015		
X-24104-00-US	US	14/835,424	8/25/2015		
X-24107-00-US	US	14/850,913	9/10/2015		
X-24116-00-US	US	14/843,288	9/2/2015		
X-24117-00-US	US	14/849,648	9/10/2015		
X-24119-00-US	US	14/850,888	9/10/2015		
X-24128-00-US	US	15/092,123	4/6/2016		
X-24129-00-US	US	14/879,794	10/9/2015		
X-24131-00-PR	US	62/334,300	5/10/2016		
X-24146-00-US	US	14/853,816	9/14/2015		
X-24149-00-US	US	14/980,852	12/28/2015		
X-24151-00-US	US	14/984,369	12/30/2015		
X-24176-00-US	US	14/876,947	10/7/2015		
X-24177-00-US	US	14/922,738	10/26/2015		
X-24183-00-US	US	14/940,762	11/13/2015		
X-24184-00-US	US	14/941,017	11/13/2015		
X-24185-00-US	US	14/940,391	11/13/2015		
X-24186-00-US	US	14/940,747	11/13/2015		
X-24187-00-US	US	14/941,136	11/13/2015		
X-24188-00-US	US	14/940,417	11/13/2015		
X-24189-00-PR	US	62/220,607	9/18/2015		
X-24189-00-US	US	14/886,762	10/19/2015		
X-24221-00-US	US	14/817,184	8/3/2015		
X-24226-00-US	US	14/858,595	9/18/2015		
X-24228-00-US	US	15/228,820	8/4/2016		
X-24234-00-US	US	14/885,292	10/16/2015		
X-24236-00-US	US	14/875,634	10/5/2015		
X-24237-00-US	US	14/861,852	9/22/2015		
X-24238-00-US	US	14/875,648	10/5/2015		
X-24239-00-US	US	14/874,419	10/3/2015		
X-24240-00-US	US	14/861,825	9/22/2015		
X-24241-00-US	US	14/873,430	10/2/2015		
X-24244-00-US	US	14/876,923	10/7/2015		
X-24245-00-US	US	14/951,479	11/24/2015		
X-24246-00-US	US	14/870,626	9/30/2015		
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## EXHIBIT A

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X-24260-00-US	US	14/927,955	10/30/2015		
X-24276-00-US	US	15/085,584	3/30/2016		
X-24312-00-US	US	14/881,206	10/13/2015		
X-24317-00-US	US	14/918,664	10/21/2015		
X-24344-00-US	US	14/927,991	10/30/2015		
X-24345-00-US	US	14/940,556	11/13/2015		
X-24360-00-US	US	14/985,685	12/31/2015		
X-24365-00-US	US	14/985,808	12/31/2015		
X-24366-00-US	US	14/986,236	12/31/2015		
X-24367-00-US	US	14/986,251	12/31/2015		
X-24461-00-US	US	62/331,663	5/4/2016		
X-24464-00-US	US	14/939,077	11/12/2015		
X-24464-01-US	US	14/939,087	11/12/2015		
X-24485-00-US	US	14/959,068	12/4/2015		
X-24492-00-US	US	14/951,217	11/24/2015		
X-24502-00-PR	US	62/260,246	11/25/2015		
X-24502-00-US	US	14/964,271	12/9/2015		
X-24509-00-US	US	14/952,970	11/26/2015		
X-24517-00-US	US	14/952,350	11/25/2015		
X-24540-00-US	US	14/954,107	11/30/2015		
X-24555-00-US	US	14/963,651	12/9/2015		
X-24556-00-US	US	14/960,739	12/7/2015		
X-24558-00-US	US	14/960,789	12/7/2015		
X-24559-00-US	US	14/962,180	12/8/2015		
X-24565-00-US	US	14/998,303	12/24/2015		
X-24578-00-US	US	14/968,162	12/14/2015		
X-24582-00-US	US	14/978,833	12/22/2015		
X-24636-00-US	US	15/009,621	1/28/2016		
X-24637-00-US	US	15/003,526	1/21/2016		
X-24639-00-US	US	15/007,558	1/27/2016		
X-24640-00-US	US	15/043,969	2/15/2016		
X-24676-00-US	US	14/985,603	12/31/2015		
X-24682-00-US	US	15/006,104	1/25/2016		
X-24686-00-US	US	15/046,830	2/18/2016		
X-24687-00-US	US	14/984,937	12/30/2015		
X-24688-00-US	US	14/986,264	12/31/2015		
X-24691-00-US	US	15/001,951	1/20/2016		
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## EXHIBIT A

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X-24739-00-PR	US	62/243,065	10/17/2015		
X-24801-00-US	US	15/171,955	6/2/2016		
X-24829-00-US	US	15/002,733	1/21/2016		
X-24830-00-PR	US	62/281,687	1/21/2016		
X-24831-00-PR	US	62/281,692	1/21/2016		
X-24833-00-PR	US	62/281,656	1/21/2016		
X-24842-00-PR	US	62/259,376	11/24/2015		
X-24842-00-US	US	15/226,387	8/2/2016		
X-24843-00-PR	US	62/259,381	11/24/2015		
X-24843-00-US	US	15/204,836	7/7/2016		
X-24844-00-PR	US	62/259,386	11/24/2015		
X-24890-00-US	US	15/014,618	2/3/2016		
X-24971-00-US	US	15/046,870	2/18/2016		
X-24998-00-US	US	15/053,505	2/29/2016		
X-24999-00-US	US	15/054,598	2/26/2016		
X-25001-00-US	US	15/049,815	2/22/2016		
X-25008-00-US	US	15/083,742	3/29/2016		
X-25012-00-US	US	15/087,190	3/31/2016		
X-25026-00-US	US	15/162,389	5/23/2016		
X-42856-00-US	US	15/226,997	8/3/2016		
X-42952-00-US	US	15/228,352	8/4/2016		
X-45002-00-PR	US				
X-45002-00-US	US				
X-45002-00-US-CON	US				
X-45002-01-PR	US				
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X-45002-02-PR	US				
X-4551-00-US	US	13/094,529	4/26/2011		
X-4616-00-US	US	13/082,089	4/7/2011	1/20/2015	8,937,620
X-4616-01-US	US	13/082,113	4/7/2011		
X-50021-00-US	US	15/165,260	5/26/2016		
X-50023-00-US	US	15/165,311	5/26/2016		
X-50035-00-PR	US	62/324,586	4/19/2016		
X-50040-00-US	US	15/222,568	7/28/2016		
X-50041-00-US	US	15/222,583	7/28/2016		
X-50048-00-US	US	15/227,612	8/3/2016		
X-50054-00-US	US	15/231,719	8/8/2016		
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## EXHIBIT A

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X-50087-00-US	US	15/165,357	5/26/2016		
X-50117-00-US	US	15/244,525	8/23/2016		
X-50118-00-US	US	15/244,845	8/23/2016		
X-5172-00-US	US	13/112,727	5/20/2011		
X-5172-02-US	US	13/163,424	6/17/2011		
X-5304-00-PR	US	61/595,761	2/7/2012		
X-5304-00-US	US	13/463,345	5/3/2012	2/26/2013	8,386,078
X-5304-01-US	US	13/283,369	10/27/2011	2/19/2013	8,380,349
X-5304-02-PR	US	61/588,944	1/20/2012		
X-5304-02-US	US	13/464,699	5/4/2012	1/28/2014	8,639,644
X-5304-03-PR	US	61/596,579	2/8/2012		
X-5304-03-US	US	13/462,959	5/3/2012		
X-5304-04-PR	US	61/596,026	2/7/2012		
X-5304-04-US	US	13/460,131	4/30/2012	3/31/2015	8,996,429
X-5304-05-US	US	13/269,817	10/10/2011		
X-5304-06-PR	US	61/596,995	2/9/2012		
X-5304-06-US	US	13/465,453	5/7/2012	5/21/2013	8,447,863
X-5304-06-US-DIV	US	13/897,355	5/17/2013	3/17/2015	8,984,136
X-5304-07-PR	US	61/596,998	2/9/2012		
X-5304-07-US	US	13/463,596	5/3/2012	12/8/2015	9,205,886
X-5304-07-US-CON	US	14/946,266	11/19/2015		
X-5304-08-PR	US	61/596,533	2/8/2012		
X-5304-08-US	US	13/464,193	5/4/2012	3/26/2013	8,406,926
X-5304-09-PR	US	61/596,795	2/9/2012		
X-5304-09-US	US	13/464,024	5/4/2012		
X-5304-10-PR	US	61/596,425	2/8/2012		
X-5304-10-US	US	13/463,469	5/3/2012	7/2/2013	8,478,901
X-5304-10-US-CON	US	13/897,934	5/20/2013	11/11/2014	8,886,829
X-5304-11-PR	US	61/595,847	2/7/2012		
X-5304-11-US	US	13/440,656	4/5/2012	5/6/2014	8,718,822
X-5304-11-US-CON2	US	14/197,328	3/5/2014	7/26/2016	9,399,294
X-5304-12-PR	US	61/595,862	2/7/2012		
X-5304-12-US	US	13/440,600	4/5/2012	12/23/2014	8,918,208
X-5304-12-US-CON	US	14/547,010	11/18/2014		
X-5304-13-PR	US	61/593,095	1/31/2012		
X-5304-13-US	US	13/466,089	5/7/2012	11/26/2013	8,594,845
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X-5304-15-US	US	13/757,808	2/3/2013	1/6/2015	8,930,022

## EXHIBIT A

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X-5304-15-US-CON2	US	15/085,239	3/30/2016		
X-5304-16-PR	US	61/595,930	2/7/2012		
X-5304-16-US	US	13/564,135	8/1/2012	4/23/2013	8,428,777
X-5304-17-PR	US	61/596,841	2/9/2012		
X-5304-17-US	US	13/745,851	1/20/2013	6/16/2015	9,060,108
X-5304-18-PR	US	61/596,605	2/8/2012		
X-5304-18-US	US	13/469,943	5/11/2012		
X-5304-19-PR	US	61/596,780	2/9/2012		
X-5304-19-US	US	13/758,055	2/4/2013	9/9/2014	8,830,057
X-5304-19-US-CON	US	14/455,896	8/9/2014	9/6/2016	9,437,097
X-5304-19-US-CON2	US	14/454,655	8/7/2014		
X-5304-20-PR	US	61/588,440	1/19/2012		
X-5304-20-US	US	13/564,313	8/1/2012	10/28/2014	8,874,266
X-5304-20-US-CON	US	14/493,676	9/23/2014	7/26/2016	9,399,290
X-5304-21-PR	US	61/597,441	2/10/2012		
X-5304-21-US	US	13/464,414	5/4/2012	5/28/2013	8,452,451
X-5304-22-PR	US	61/591,616	1/27/2012		
X-5304-22-US	US	13/464,693	5/4/2012	2/19/2013	8,380,652
X-5304-24-PR	US	61/596,608	2/8/2012		
X-5304-24-US	US	13/471,149	5/14/2012	11/27/2012	8,321,364
X-5304-25-US	US	13/283,358	10/27/2011	11/6/2012	8,307,061
X-5304-26-PR	US	61/592,673	1/31/2012		
X-5304-26-US	US	13/572,855	8/13/2012	3/17/2015	8,982,217
X-5304-26-US-CON	US	14/602,585	1/22/2015		
X-5304-27-PR	US	61/597,495	2/10/2012		
X-5304-27-US	US	13/601,319	8/31/2012	2/24/2015	8,965,104
X-5304-29-PR	US	61/595,869	2/7/2012		
X-5304-29-US	US	13/644,271	10/4/2012	9/3/2013	8,525,836
X-5304-30-PR	US	61/596,946	2/9/2012		
X-5304-30-US	US	13/465,929	5/7/2012		
X-5304-31-PR	US	61/596,994	2/9/2012		
X-5304-31-US	US	13/464,586	5/4/2012	2/3/2015	8,947,522
X-5304-32-PR	US	61/595,935	2/7/2012		
X-5304-32-US	US	13/591,639	8/22/2012		
X-5304-33-PR	US	61/587,875	1/18/2012		
X-5304-33-US	US	13/556,894	7/24/2012	9/3/2013	8,525,853
X-5304-34-PR	US	61/593,078	1/31/2012		
X-5304-34-US	US	13/466,030	5/7/2012	5/5/2015	9,026,248
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## EXHIBIT A

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X-5304-38-PR	US	61/590,563	1/25/2012		
X-5304-38-US	US	13/464,459	5/4/2012		
X-5304-39-PR	US	61/596,785	2/9/2012		
X-5304-39-US	US	13/588,003	8/17/2012	3/12/2013	8,396,254
X-5304-40-PR	US	61/595,875	2/7/2012		
X-5304-40-US	US	13/753,729	1/30/2013	5/5/2015	9,024,771
X-5304-40-US-CON	US	14/681,878	4/8/2015		
X-5304-41-PR	US	61/595,872	2/7/2012		
X-5304-41-US	US	13/757,810	2/3/2013	4/14/2015	9,008,839
X-5304-41-US-CON	US	14/645,135	3/11/2015		
X-5304-41-US-CON2	US	15/244,063	8/23/2016		
X-5339-00-PR	US	61/483,291	5/6/2011		
X-5415-00-PR	US	61/483,295	5/6/2011		
X-5416-00-PR	US	61/483,300	5/6/2011		
X-5436-92-US	US	09/961,237	9/20/2001	9/11/2007	7,269,284
X-5502-07-US	US	09/266,396	3/11/1999	5/4/2004	6,729,825
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X-5593-00-US	US	11/074,292	3/7/2005	4/14/2009	7,516,605
X-5593-00-US-CON	US	12/380,310	2/25/2009	7/13/2010	7,752,830
X-5593-01-US	US	11/890,313	8/3/2007	2/2/2010	7,656,053
X-5593-02-US	US	11/901,262	9/13/2007		
X-5593-03-US	US	11/903,521	9/20/2007	12/7/2010	7,847,426
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X-5593-05-PR	US	61/123,081	4/4/2008		
X-5593-06-US	US	12/154,685	5/23/2008		
X-5593-07-US	US	12/154,668	5/23/2008		
X-5593-08-US	US	12/218,984	7/18/2008		
X-5593-09-US	US	12/229,526	8/22/2008		
X-5593-10-US	US	12/231,890	9/5/2008		
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X-5593-13-US	US	12/454,853	5/21/2009		
X-5593-14-US	US	12/455,313	5/28/2009		
X-5593-15-PR	US	61/341,029	3/24/2010		
X-5593-15-US	US	13/070,157	3/23/2011	8/12/2014	8,800,931
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## EXHIBIT A

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X-5593-17-PR	US	61/409,894	11/3/2010		
X-5593-17-US	US	13/288,527	11/3/2011	12/30/2014	8,922,046
X-5593-17-US-CON	US	14/584,536	12/29/2014		
X-5593-18-PR	US	61/577,039	12/18/2011		
X-5593-18-US	US	13/719,198	12/18/2012	11/18/2014	8,888,049
X-5593-18-US-CON	US	14/543,189	11/17/2014		
X-5593-19-PR	US	61/582,408	1/2/2012		
X-5593-19-US	US	13/733,125	1/2/2013	2/17/2015	8,955,795
X-5593-19-US-CON	US	14/590,086	1/6/2015		
X-5593-20-PR	US	61/751,817	1/11/2013		
X-5593-20-US	US	14/154,004	1/13/2014		
X-5630-00-PR	US	61/844,786	7/10/2013		
X-5630-00-US	US	14/310,415	6/20/2014		
X-5829-00-US	US	14/559,365	12/3/2014		
X-5834-00-PR	US	61/082,031	7/18/2008		
X-5834-00-US	US	12/349,868	1/7/2009	2/7/2012	8,109,711
X-5834-01-PR	US	61/375,697	8/20/2010		
X-5834-01-US	US	12/967,862	12/14/2010	7/30/2013	8,497,423
X-5836-00-US	US	12/714,988	3/1/2010	1/1/2013	8,346,679
X-15243-00-TW	TW	102111248	3/28/2013	7/11/2015	1492199
X-16669-00-TW	TW	102111247	3/28/2013	2/21/2015	1474298
X-18383-00-TW	TW	103122689	7/1/2014		
X-19110-00-TW	TW	103122688	7/1/2014		
X-19111-00-TW	TW	103122692	7/1/2014	2/1/2016	1520116
X-19112-00-TW	TW	103122691	7/1/2014		
X-19594-00-TW	TW	103134790	10/6/2014		
X-19596-00-TW	TW	103134791	10/6/2014		
X-19600-00-TW	TW	103136355	10/21/2014		
X-19601-00-TW	TW	103136356	10/21/2014		
X-19602-00-TW	TW	103136357	10/21/2014	4/11/2016	1529678
X-21076-00-TW	TW	104110125	3/27/2015		
X-21290-00-TW	TW	104117030	5/27/2015		
X-21364-00-TW	TW	104120991	6/29/2015		
X-21839-00-TW	TW	104132274	9/30/2015		
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X-22339-00-TW	TW	104133571	10/13/2015		
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## EXHIBIT A

X-File	Jurisdiction	Application Number	Filing Date	Issue Date	Patent Number
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X-13392-00-PCT	WO	PCT/US2013/020536	1/7/2013		
X-13393-00-PCT	WO	PCT/US2013/020538	1/7/2013		
X-13394-00-PCT	WO	PCT/US2013/043137	5/29/2013		
X-14699-00-PCT	WO	PCT/US2013/047241	6/24/2013		
X-14701-00-PCT	WO	PCT/US2013/035959	4/10/2013		
X-14845-00-PCT	WO	PCT/US2013/053302	8/1/2013		
X-14847-00-PCT	WO	PCT/US2013/054489	8/12/2013		
X-14850-00-PCT	WO	PCT/US2013/040324	5/9/2013		
X-14851-00-PCT	WO	PCT/US2013/050271	7/12/2013		
X-15243-00-PCT	WO	PCT/US2013/030026	3/8/2013		
X-15605-00-PCT	WO	PCT/US2013/050493	7/15/2013		
X-16669-00-PCT	WO	PCT/US2013/030256	3/11/2013		
X-16729-00-PCT	WO	PCT/US2013/069892	11/13/2013		
X-16729-01-PCT	WO	PCT/US2013/069866	11/13/2013		
X-16883-00-PCT	WO	PCT/US2013/071148	11/21/2013		
X-17886-00-PCT	WO	PCT/US2014/035085	4/23/2014		
X-18383-00-PCT	WO	PCT/US2014/042385	6/13/2014		
X-18712-00-PCT	WO	PCT/US2014/038949	5/21/2014		
X-18718-00-PCT	WO	PCT/US2014/44316	6/26/2014		
X-18829-00-PCT	WO	PCT/US2014/052553	8/25/2014		
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X-18645-00-CA-DP	CA	154183	11/28/2013	10/16/2014	154183
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X-19896-00-BR	BR	20160140923	12/16/2014		
X-20013-00-BR	BR	1120160145054	10/20/2014		
X-20017-00-BR	BR	1120160150066	12/22/2014		
X-20341-00-BR	BR	1120160185382	2/13/2015		
X-20385-00-BR	BR	1120160145348	12/12/2014		
X-20386-00-BR	BR	1120160182740	1/15/2015		
X-13389-00-AU	AU	2013208198	1/8/2013		
X-13389-00-AU-DIV	AU	2016204664	7/5/2016		
X-13391-00-AU	AU	2013208213	1/7/2013	7/23/2015	2013208213
X-13392-00-AU	AU	2013208215	1/7/2013	8/13/2015	2013208215
X-13393-00-AU	AU	2013208217	1/7/2013	6/4/2015	2013208217
X-13394-00-AU	AU	2013267536	5/29/2013	3/10/2016	2013267536



## EXHIBIT A

X-File	Jurisdiction	Application Number	Filing Date	Issue Date	Patent Number
X-13394-00-AU-DIV	AU	2016201082	2/22/2016		
X-14699-00-AU	AU	2013289027	6/24/2013		
X-17886-00-AU	AU	2014263065	4/23/2014		
X-18645-00-AU-DP	AU	16208/2013	11/27/2013	2/24/2014	353835
X-18645-00-AU-DP-DI	AU	10728/2014	11/27/2013	2/27/2014	354011
X-18645-00-AU-DP-DI	AU	10727/2014	11/27/2013	2/27/2014	354010
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X-18829-00-AU	AU	2014353522	8/25/2014		
X-18871-00-AU	AU	2014311537	8/21/2014		
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X-19480-00-AU	AU	2014353535	9/4/2014		
X-19633-00-AU	AU	2014367088	11/17/2014		
X-19814-00-AU	AU	2014374246	12/8/2014		
X-19816-00-AU	AU	2014374074	12/22/2014		
X-19818-00-AU	AU	2014370035	12/22/2014		
X-19896-00-AU	AU	2014365770	12/16/2014		
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X-20017-00-AU	AU	2014374087	12/22/2014		
X-20021-00-AU	AU	2014374395	10/6/2014		
X-20027-00-AU	AU	2014366400	12/10/2014		
X-200439-00-AU	AU	2016203601	5/31/2016		
X-20072-00-AU	AU	2014374174	12/17/2014		
X-20341-00-AU	AU	2015218369	2/13/2015		
X-20355-00-AU	AU	2015223484	1/22/2015		
X-20385-00-AU	AU	2014366305	12/12/2014		
X-20386-00-AU	AU	2015217565	1/15/2015		