

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7268074

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GOOGLE INC.	08/05/2015
RECEIVING PARTY DATA	
Name:	GOOGLE LIFE SCIENCES LLC
Street Address:	1600 AMPHITHEATRE PARKWAY
City:	MOUNTAIN VIEW
State/Country:	CALIFORNIA
Postal Code:	94043
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15920031
CORRESPONDENCE DATA	
Fax Number:	(312)913-0002
<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>	
Phone:	3129130001
Email:	docketing@mbhb.com
Correspondent Name:	MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP
Address Line 1:	300 S. WACKER DRIVE
Address Line 2:	SUITE 3100
Address Line 4:	CHICAGO, ILLINOIS 60606
ATTORNEY DOCKET NUMBER:	14-685-US-CON
NAME OF SUBMITTER:	BENJAMIN A. RELLINGER
SIGNATURE:	/Benjamin A. Rellinger/
DATE SIGNED:	04/07/2022
Total Attachments: 21	
source=assignment2#page1.tif	
source=assignment2#page2.tif	
source=assignment2#page3.tif	
source=assignment2#page4.tif	
source=assignment2#page5.tif	

source=assignment2#page6.tif
source=assignment2#page7.tif
source=assignment2#page8.tif
source=assignment2#page9.tif
source=assignment2#page10.tif
source=assignment2#page11.tif
source=assignment2#page12.tif
source=assignment2#page13.tif
source=assignment2#page14.tif
source=assignment2#page15.tif
source=assignment2#page16.tif
source=assignment2#page17.tif
source=assignment2#page18.tif
source=assignment2#page19.tif
source=assignment2#page20.tif
source=assignment2#page21.tif

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, Google Life Sciences 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 5th day of August, 2015.



GOOGLE INC.

By: _____

Allen M. Lo

Title: Assistant Secretary & Deputy
General Counsel

Date: August 5, 2015

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)

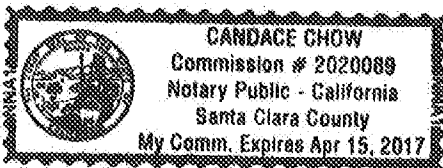
On Aug 5, 2015 before me, Candace Chow, Notary Public
Date Here Insert Name and Title of the Officer

personally appeared Allen 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 [Signature]
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: _____ 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.

Google Life Sciences LLC

By:


Andrew Conrad

Title: Chief Executive Officer

Date:

8/16/2015

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

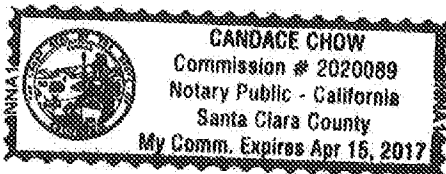
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
 County of Santa Clara)
 On Aug 6, 2015 before me, Candace Chow, Notary Public,
 Date Here Insert Name and Title of the Officer
 personally appeared Andrew Conrad
 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 [Signature]
 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: _____ 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: _____

Exhibit A

Reference No.	Jurisdiction	Application Number	Filing Date	Patent Number	Issue Date
GP-5775-00-AU	AU	2012316278	9/25/2012	2012316278	5/14/2015
GP-5775-00-CA	CA	2850138	9/25/2012		
GP-5775-00-CN	CN	201280047035.X	9/25/2012		
GP-5775-00-EP	EP	12834632.7	9/25/2012		
GP-5775-00-JP	JP	2014-533640	9/25/2012		
GP-5775-00-KR	KR	10-2014-7011131	9/25/2012		
GP-5775-00-PCT	WO	PCT/US2012/057048	9/25/2012		
GP-5775-00-US	US	13/250,000	9/30/2011		
GP-5775-01-PCT	WO	PCT/US2014/045409	7/3/2014		
GP-5775-01-US-CIP	US	13/935,387	7/3/2013		
GP-5775-02-PCT	WO	PCT/US2015/025781	4/14/2015		
GP-5775-02-PR	US	61/982,240	4/21/2014		
GP-5775-02-US	US	14/681,549	4/8/2015		
GP-14473-00-PCT	WO	PCT/US2014/023320	3/11/2014		
GP-14473-00-US	US	13/472,411	5/15/2012	8,798,332	8/5/2014
GP-14473-00-US-CON	US	14/304,212	6/13/2014	9,047,512	6/2/2015
GP-14741-00-PCT	WO	PCT/US2014/024124	3/12/2014		
GP-14741-00-US	US	13/559,261	7/26/2012		
GP-14908-00-US	US	13/564,831	8/2/2012	8,919,953	12/30/2014
GP-14909-00-EP	EP	13840723.4	9/13/2013		
GP-14909-00-PCT	WO	PCT/US2013/059763	9/13/2013		
GP-14909-00-US	US	13/626,542	9/25/2012	8,979,271	3/17/2015
GP-14909-01-US	US	13/559,399	7/26/2012		
GP-14922-00-US	US	13/590,910	8/21/2012		
GP-14976-00-US	US	13/559,288	7/26/2012		
GP-15054-00-US	US	13/559,350	7/26/2012		
GP-15090-00-PCT	WO	PCT/US2014/023517	3/11/2014		
GP-15090-00-US	US	13/559,384	7/26/2012	8,857,981	10/14/2014
GP-15090-00-US-CON	US	14/034,119	9/23/2013	8,864,305	10/21/2014
GP-15114-00-US	US	13/594,291	8/24/2012		

GP-15226-00-PCT	WO	PCT/US2014/023584	3/11/2014		
GP-15226-00-US	US	13/568,078	8/6/2012		
GP-15226-00-US-CON	US	14/029,281	9/17/2013		
GP-15230-00-AU	AU	2013315114	9/16/2013		
GP-15230-00-BR	BR	1120150058248	9/16/2013		
GP-15230-00-CN	CN	201380048404	9/16/2013		
GP-15230-00-EP	EP	13837832.8	9/16/2013		
GP-15230-00-IN	IN	2169/CHENP/2015	9/16/2013		
GP-15230-00-JP	JP	2015-532120	9/16/2013		
GP-15230-00-PCT	WO	PCT/US2013/059923	9/16/2013		
GP-15230-00-RU	RU	2015114333	9/16/2013		
GP-15230-00-US	US	13/621,512	9/17/2012		
GP-15232-00-CN	CN	201380061505	9/11/2013		
GP-15232-00-EP	EP	13842053.4	9/11/2013		
GP-15232-00-JP	JP	2015-534523	9/11/2013		
GP-15232-00-KR	KR	10-2015-7010387	9/11/2013		
GP-15232-00-PCT	WO	PCT/US2013/059256	9/11/2013		
GP-15232-00-TW	TW	102134607	9/25/2013		
GP-15232-00-US	US	13/627,574	9/26/2012	8,960,899	2/24/2015
GP-15232-00-US-CON	US	14/025,581	9/12/2013	9,054,079	6/9/2015
GP-15232-00-US-CON2	US	14/678,198	4/3/2015		
GP-15239-00-US	US	13/626,643	9/25/2012		
GP-15241-00-PCT	WO	PCT/US2014/023544	3/11/2014		
GP-15241-00-US	US	13/621,541	9/17/2012		
GP-15241-01-PCT	WO	PCT/US2014/023671	3/11/2014		
GP-15241-01-US	US	13/590,860	8/21/2012	8,971,978	3/3/2015
GP-15241-01-US-CON	US	14/029,345	9/17/2013	8,909,311	12/9/2014
GP-15246-00-US	US	13/626,565	9/25/2012		
GP-15254-00-AU	AU	2013323964	9/19/2013		
GP-15254-00-BR	BR	1120150065872	9/19/2013		
GP-15254-00-CN	CN	201380049983	9/19/2013		
GP-15254-00-EP	EP	13842054.2	9/19/2013		
GP-15254-00-IN	IN		9/19/2013		

GP-15254-00-JP	JP	2015-533195	9/19/2013		
GP-15254-00-PCT	WO	PCT/US2013/060717	9/19/2013		
GP-15254-00-RU	RU	2015115709	9/19/2013		
GP-15254-00-US	US	13/626,521	9/25/2012		
GP-15254-00-US-CON	US	14/035,413	9/24/2013		
GP-15254-01-US	US	13/626,626	9/25/2012		
GP-15254-02-US	US	13/631,247	9/28/2012		
GP-15256-00-PCT	WO	PCT/US2013/060421	9/18/2013		
GP-15256-00-US	US	13/627,742	9/26/2012		
GP-15256-01-PCT	WO	PCT/US2013/060432	9/18/2013		
GP-15256-01-US	US	13/627,727	9/26/2012	8,821,811	9/2/2014
GP-15256-01-US-DIV	US	14/338,429	7/23/2014		
GP-15257-00-US	US	13/627,511	9/26/2012		
GP-15258-00-US	US	13/630,864	9/28/2012	9,063,351	6/23/2015
GP-15258-00-US-CON	US	14/718,187	5/21/2015		
GP-15259-00-US	US	13/629,160	9/27/2012		
GP-15260-00-US	US	13/590,809	8/21/2012		
GP-15261-00-EP	EP	13841094.9	9/19/2013		
GP-15261-00-PCT	WO	PCT/US2013/060688	9/19/2013		
GP-15261-00-US	US	13/626,603	9/25/2012	8,989,834	3/24/2015
GP-15262-00-US	US	13/594,558	8/24/2012		
GP-15263-00-US	US	13/603,531	9/5/2012	8,820,934	9/2/2014
GP-15267-00-US	US	13/627,548	9/26/2012		
GP-15268-00-US	US	13/625,841	9/24/2012	8,960,898	2/24/2015
GP-15307-00-US	US	13/625,835	9/24/2012	8,870,370	10/28/2014
GP-15325-00-US	US	13/626,498	9/25/2012		
GP-15326-00-US	US	13/610,788	9/11/2012		
GP-15357-00-PCT	WO	PCT/US2013/063464	10/4/2013		
GP-15357-00-US	US	13/647,348	10/8/2012		
GP-15542-00-US	US	13/627,710	9/26/2012		
GP-15543-00-PCT	WO	PCT/US2013/059711	9/13/2013		
GP-15543-00-US	US	13/626,589	9/25/2012		
GP-15544-00-US	US	13/659,302	10/24/2012		
GP-15640-00-US	US	13/627,675	9/26/2012	8,985,763	3/24/2015

GP-15641-00-PCT	WO	PCT/US2014/024492	3/12/2014		
GP-15641-00-US	US	13/606,140	9/7/2012		
GP-15641-00-US-CON	US	14/030,756	9/18/2013		
GP-15642-00-US	US	13/623,155	9/20/2012		
GP-16435-00-US	US	13/649,627	10/11/2012		
GP-16436-00-PCT	WO	PCT/US2013/062658	9/30/2013		
GP-16436-00-US	US	13/650,248	10/12/2012		
GP-16436-00-US-CON	US	14/031,481	9/19/2013		
GP-16439-00-US	US	13/661,735	10/26/2012		
GP-16441-00-BR	BR	112015007893-1	9/30/2013		
GP-16441-00-CN	CN	201380053196	9/30/2013		
GP-16441-00-EP	EP	13846229.6	9/30/2013		
GP-16441-00-IN	IN	1689/CHENP/2015	9/30/2013		
GP-16441-00-PCT	WO	PCT/US2013/062684	9/30/2013		
GP-16441-00-RU	RU	2015117635	9/30/2013		
GP-16441-00-US	US	13/650,418	10/12/2012	8,965,478	2/24/2015
GP-16441-00-US-CON	US	14/031,299	9/19/2013	9,055,902	6/16/2015
GP-16441-00-US-CON2	US	14/713,968	5/15/2015		
GP-17252-00-AU	AU	2013374255	12/18/2013		
GP-17252-00-BR	BR	1120150169040	12/18/2013		
GP-17252-00-CA	CA		12/18/2013		
GP-17252-00-CN	CN		12/18/2013		
GP-17252-00-EP	EP	13872095.8	12/18/2013		
GP-17252-00-IN	IN		12/18/2013		
GP-17252-00-JP	JP		12/18/2013		
GP-17252-00-KR	KR		12/18/2013		
GP-17252-00-PCT	WO	PCT/US2013/076019	12/18/2013		
GP-17252-00-RU	RU		12/18/2013		
GP-17252-00-US	US	13/741,725	1/15/2013	8,874,182	10/28/2014
GP-17252-00-US-CON	US	14/031,862	9/19/2013	8,886,275	11/11/2014
GP-17252-00-US-CON2	US	14/518,986	10/20/2014		
GP-17455-00-CN	CN		1/8/2014		

GP-17455-00-EP	EP	14742842.9	1/8/2014		
GP-17455-00-PCT	WO	PCT/US2014/010666	1/8/2014		
GP-17455-00-US	US	13/750,493	1/25/2013		
GP-17455-00-US-CON	US	14/032,418	9/20/2013	8,926,809	1/6/2015
GP-17487-00-CN	CN		11/12/2013		
GP-17487-00-EP	EP	13871948.9	11/12/2013		
GP-17487-00-JP	JP		11/12/2013		
GP-17487-00-KR	KR	10-2015-7018941	11/12/2013		
GP-17487-00-PCT	WO	PCT/US2013/069549	11/12/2013		
GP-17487-00-US	US	13/743,443	1/17/2013		
GP-17488-00-US	US	13/750,782	1/25/2013		
GP-17570-00-PCT	WO	PCT/US2014/016328	2/13/2014		
GP-17570-00-US	US	13/850,753	3/26/2013		
GP-17570-00-US-CON	US	14/032,428	9/20/2013	8,950,068	2/10/2015
GP-17571-00-PCT	WO	PCT/US2014/016051	2/12/2014		
GP-17571-00-US	US	13/851,290	3/27/2013		
GP-17571-00-US-CON	US	14/034,303	9/23/2013	9,009,958	4/21/2015
GP-17879-00-US	US				
GP-18391-00-US	US	13/920,812	6/18/2013		
GP-18392-00-PCT	WO	PCT/US2014/042152	6/12/2014		
GP-18392-00-US	US	13/918,522	6/14/2013		
GP-18392-00-US-CON	US	14/035,352	9/24/2013		
GP-18393-00-US	US	13/916,373	6/12/2013		
GP-18394-00-US	US	13/901,981	5/24/2013	9,024,727	5/5/2015
GP-18458-00-US	US	13/930,861	6/28/2013		
GP-18460-00-PCT	WO	PCT/US2014/044608	6/27/2014		
GP-18460-00-US	US	13/930,821	6/28/2013		
GP-18461-00-PCT	WO	PCT/US2014/044609	6/27/2014		
GP-18461-00-US	US	13/930,858	6/28/2013		
GP-18463-00-PCT	WO	PCT/US2014/044611	6/27/2014		
GP-18463-00-US	US	13/930,877	6/28/2013		
GP-18464-00-PCT	WO	PCT/US2014/044613	6/27/2014		
GP-18464-00-US	US	13/930,890	6/28/2013		

GP-18465-00-PCT	WO	PCT/US2014/034839	4/21/2014		
GP-18465-00-US	US	13/919,764	6/17/2013	9,084,561	7/21/2015
GP-18465-00-US-CON	US	14/034,323	9/23/2013	8,880,139	11/4/2014
GP-18465-00-US-CON2	US	14/742,202	6/17/2015		
GP-18468-00-PCT	WO	PCT/US2014/033998	4/14/2014		
GP-18468-00-US	US	13/930,687	6/28/2013		
GP-18469-00-US	US	13/931,385	6/28/2013		
GP-18471-00-PCT	WO	PCT/US2014/042526	6/16/2014		
GP-18471-00-TW	TW	103122406	6/27/2014		
GP-18471-00-US	US	13/931,802	6/28/2013	8,922,366	12/30/2014
GP-18471-00-US-CON	US	14/028,090	9/16/2013		
GP-18471-00-US-CON2	US	14/536,856	11/10/2014		
GP-18474-00-PCT	WO	PCT/US2014/035191	4/23/2014		
GP-18474-00-US	US	14/028,196	9/16/2013	8,742,623	6/3/2014
GP-18474-00-US-CON	US	14/258,392	4/22/2014		
GP-18475-00-PCT	WO	PCT/US2014/035086	4/23/2014		
GP-18475-00-US	US	13/930,513	6/28/2013		
GP-18476-00-PCT	WO	PCT/US2014/043217	6/19/2014		
GP-18476-00-US	US	13/931,394	6/28/2013	8,833,934	9/16/2014
GP-18476-00-US-CON	US	14/027,969	9/16/2013	8,827,445	9/9/2014
GP-18476-00-US-CON2	US	14/451,730	8/5/2014		
GP-18477-00-PCT	WO	PCT/US2014/044691	6/27/2014		
GP-18477-00-US	US	13/931,086	6/28/2013	9,028,772	5/12/2015
GP-18478-00-US	US	13/928,728	6/27/2013		
GP-18479-00-US	US	13/928,512	6/27/2013		
GP-18480-00-PCT	WO	PCT/US2014/043231	6/19/2014		
GP-18480-00-US	US	13/931,411	6/28/2013		
GP-18480-00-US-CON	US	14/028,036	9/16/2013	8,764,185	7/1/2014
GP-18481-00-PCT	WO	PCT/US2014/043865	6/24/2014		
GP-18481-00-US	US	13/924,911	6/24/2013	9,044,075	6/2/2015

GP-18481-00-US-CON	US	14/035,696	9/24/2013	8,881,892	11/11/2014
GP-18520-00-PCT	WO	PCT/US2014/042988	6/18/2014		
GP-18520-00-US	US	13/924,145	6/21/2013		
GP-18521-00-PCT	WO	PCT/US2014/042987	6/18/2014		
GP-18521-00-US	US	13/924,246	6/21/2013		
GP-18522-00-PCT	WO	PCT/US2014/042986	6/18/2014		
GP-18522-00-US	US	13/924,296	6/21/2013		
GP-18853-00-PCT	WO	PCT/US2014/054199	9/5/2014		
GP-18853-00-US	US	14/018,605	9/5/2013		
GP-18880-00-PCT	WO	PCT/US2014/051182	8/15/2014		
GP-18880-00-US	US	14/011,478	8/27/2013		
GP-18881-00-PCT	WO	PCT/US2014/033994	4/14/2014		
GP-18881-00-US	US	13/973,220	8/22/2013		
GP-18989-00-US	US	14/027,649	9/16/2013		
GP-18990-00-PCT	WO	PCT/US2014/054321	9/5/2014		
GP-18990-00-US	US	14/018,591	9/5/2013		
GP-19167-00-US	US	14/070,177	11/1/2013		
GP-19296-00-PCT	WO	PCT/US2014/061748	10/22/2014		
GP-19296-00-US	US	14/061,251	10/23/2013		
GP-19297-00-PCT	WO	PCT/US2014/061784	10/22/2014		
GP-19297-00-US	US	14/061,325	10/23/2013		
GP-19298-00-PCT	WO	PCT/US2014/061752	10/22/2014		
GP-19298-00-US	US	14/061,334	10/23/2013		
GP-19438-00-US	US	14/061,903	10/24/2013		
GP-19439-00-PCT	WO	PCT/US2014/059659	10/8/2014		
GP-19439-00-US	US	14/056,837	10/17/2013	9,095,312	8/4/2015
GP-19440-00-PCT	WO	PCT/US2014/059708	10/8/2014		
GP-19440-00-US	US	14/056,872	10/17/2013		
GP-19441-00-US	US	14/074,562	11/7/2013		
GP-19456-00-US	US	14/089,453	11/25/2013		
GP-19540-00-US	US	14/085,239	11/20/2013		
GP-19786-00-PCT	WO	PCT/US2014/070563	12/16/2014		
GP-19786-00-US	US	14/107,785	12/16/2013		
GP-19890-00-US	US	14/109,066	12/17/2013	9,044,200	6/2/2015
GP-19899-00-PCT	WO	PCT/US2014/072480	12/29/2014		
GP-19899-00-US	US	14/143,842	12/30/2013		

GP-19900-00-PCT	WO	PCT/US2014/062781	10/29/2014		
GP-19900-00-US	US	14/133,750	12/19/2013		
GP-19901-00-US	US	14/107,840	12/16/2013		
GP-19902-00-PCT	WO	PCT/US2014/070569	12/16/2014		
GP-19902-00-US	US	14/107,862	12/16/2013		
GP-19903-00-US	US	14/091,092	11/26/2013	9,101,309	8/11/2015
GP-19904-00-PCT	WO	PCT/US2014/066323	11/19/2014		
GP-19904-00-US	US	14/136,895	12/20/2013		
GP-19905-00-PCT	WO	PCT/US2014/071157	12/18/2014		
GP-19905-00-US	US	14/138,368	12/23/2013		
GP-19906-00-US	US	14/138,373	12/23/2013		
GP-19907-00-PCT	WO	PCT/US2014/067621	11/26/2014		
GP-19907-00-US	US	14/092,655	11/27/2013		
GP-19908-00-PCT	WO	PCT/US2014/071170	12/18/2014		
GP-19908-00-US	US	14/138,379	12/23/2013		
GP-19909-00-US	US	14/109,214	12/17/2013		
GP-19910-00-PCT	WO	PCT/US2014/065905	11/17/2014		
GP-19910-00-US	US	14/098,806	12/6/2013		
GP-19911-00-PCT	WO	PCT/US2014/065936	11/17/2014		
GP-19911-00-US	US	14/098,790	12/6/2013		
GP-19912-00-US	US	14/136,851	12/20/2013		
GP-19913-00-PCT	WO	PCT/US2014/062782	10/29/2014		
GP-19913-00-US	US	14/088,280	11/22/2013		
GP-19947-00-PCT	WO	PCT/US2014/061962	10/23/2014		
GP-19947-00-US	US	14/143,180	12/30/2013		
GP-19948-00-PCT	WO	PCT/US2014/070367	12/15/2014		
GP-19948-00-US	US	14/143,024	12/30/2013	9,030,239	5/12/2015
GP-19948-00-US-DIV	US	14/688,590	4/16/2015		
GP-19949-00-EP	EP				
GP-19949-00-PCT	WO	PCT/US2014/072123	12/23/2014		
GP-19949-00-US	US	14/143,596	12/30/2013		
GP-19950-00-US	US	14/135,851	12/20/2013		
GP-19951-00-US	US	14/103,129	12/11/2013		
GP-19952-00-US	US	14/106,152	12/13/2013		
GP-19953-00-PCT	WO	PCT/US2014/071985	12/22/2014		
GP-19953-00-US	US	14/139,855	12/23/2013		

GP-19955-00-PCT	WO	PCT/US2014/061115	10/17/2014		
GP-19955-00-US	US	14/143,070	12/30/2013		
GP-19956-00-PCT	WO	PCT/US2014/071986	12/22/2014		
GP-19956-00-US	US	14/139,865	12/23/2013		
GP-19957-00-PCT	WO	PCT/US2014/072122	12/23/2014		
GP-19957-00-US	US	14/143,569	12/30/2013		
GP-19959-00-PCT	WO	PCT/US2014/072520	12/29/2014		
GP-19959-00-US	US	14/143,697	12/30/2013		
GP-20245-00-PCT	WO	PCT/US2015/011004	1/12/2015		
GP-20245-00-US	US	14/163,663	1/24/2014		
GP-20390-00-US	US	14/135,246	12/19/2013		
GP-20448-00-PCT	WO	PCT/US2015/015046	2/9/2015		
GP-20448-00-TW	TW	104105723	2/17/2015		
GP-20448-00-US	US	14/186,937	2/21/2014		
GP-20450-00-PCT	WO	PCT/US2015/015609	2/12/2015		
GP-20450-00-US	US	14/188,634	2/24/2014		
GP-20549-00-US	US	14/199,440	3/6/2014		
GP-20550-00-US	US	14/192,565	2/27/2014		
GP-20551-00-US	US	14/189,523	2/25/2014		
GP-20552-00-US	US	14/202,927	3/10/2014		
GP-20553-00-US	US	14/203,639	3/11/2014		
GP-20554-00-US	US	14/199,420	3/6/2014		
GP-20616-00-US	US	14/210,999	3/14/2014		
GP-20707-00-US	US	14/302,844	6/12/2014		
GP-20708-00-US	US	14/261,180	4/24/2014		
GP-20760-00-PCT	WO	PCT/US2015/034243	6/4/2015		
GP-20760-00-US	US	14/319,182	6/30/2014		
GP-20761-00-US	US	14/303,073	6/12/2014		
GP-20785-00-US	US	14/308,288	6/18/2014		
GP-20787-00-PR	US	61/946,600	2/28/2014		
GP-20787-00-US	US	14/306,985	6/17/2014		
GP-20788-00-PCT	WO	PCT/US2015/032989	5/28/2015		
GP-20788-00-US	US	14/303,070	6/12/2014		
GP-20827-00-US	US	14/261,088	4/24/2014		
GP-20828-00-US	US	14/257,823	4/21/2014		
GP-20829-00-PCT	WO	PCT/US2015/034247	6/4/2015		
GP-20829-00-US	US	14/318,220	6/27/2014		

GP-20908-00-US	US	14/304,650	6/13/2014		
GP-20994-00-US	US	14/326,983	7/9/2014		
GP-21073-00-US	US	14/289,352	5/28/2014		
GP-21074-00-PCT	WO	PCT/US2015/030562	5/13/2015		
GP-21074-00-US	US	14/282,989	5/20/2014		
GP-21077-00-PCT	WO	PCT/US2015/025115	4/9/2015		
GP-21077-00-US	US	14/289,362	5/28/2014		
GP-21078-00-US	US	14/308,278	6/18/2014		
GP-21164-00-PCT	WO	PCT/US2015/030262	5/12/2015		
GP-21164-00-US	US	14/303,634	6/13/2014		
GP-21166-00-PCT	WO	PCT/US2015/015324	2/11/2015		
GP-21166-00-US	US	14/303,507	6/12/2014		
GP-21200-00-US	US	14/316,620	6/26/2014		
GP-21201-00-US	US	14/327,125	7/9/2014		
GP-21203-00-US	US	14/468,756	8/26/2014		
GP-21204-00-US	US	14/333,161	7/16/2014		
GP-21208-00-PCT	WO	PCT/US2015/035618	6/12/2015		
GP-21208-00-US	US	14/303,674	6/13/2014		
GP-21209-00-PCT	WO	PCT/US2015/030390	5/12/2015		
GP-21209-00-US	US	14/303,936	6/13/2014		
GP-21211-00-PCT	WO	PCT/US2015/030554	5/13/2015		
GP-21211-00-US	US	14/303,947	6/13/2014		
GP-21213-00-PCT	WO	PCT/US2015/030393	5/12/2015		
GP-21213-00-US	US	14/303,672	6/13/2014		
GP-21241-00-US	US	14/303,865	6/13/2014		
GP-21242-00-PCT	WO	PCT/US2015/032874	5/28/2015		
GP-21242-00-US	US	14/304,005	6/13/2014		
GP-21243-00-US	US	14/306,192	6/16/2014		
GP-21244-00-PCT	WO	PCT/US2015/042266	7/27/2015		
GP-21244-00-US	US	14/447,466	7/30/2014		
GP-21245-00-US	US				
GP-21246-00-PCT	WO	PCT/US2015/39305	7/7/2015		
GP-21246-00-US	US	14/334,126	7/17/2014		
GP-21403-00-PCT	WO	PCT/US2015/038776	7/1/2015		
GP-21403-00-US	US	14/325,219	7/7/2014		
GP-21404-00-PCT	WO	PCT/US2015/029220	5/5/2015		

GP-21404-00-US	US	14/324,119	7/4/2014		
GP-21405-00-AU-DP	AU	201510795	2/13/2015	361991	5/27/2015
GP-21405-00-CA-DP	CA	160961	2/11/2015		
GP-21405-00-CN-DP	CN	201530042348	2/12/2015		
GP-21405-00-DP	US	29/499,247	8/13/2014		
GP-21405-00-EM-DP	EM	001430318-0001	2/10/2015	001430318-0001	2/10/2015
GP-21405-00-JP-DP	JP	2015002893	2/13/2015		
GP-21405-01-CN-DP	CN	201530042662	2/12/2015		
GP-21405-01-EM-DP	EM	001430318-0002	2/10/2015	001430318-0002	2/10/2015
GP-21405-02-CN-DP	CN	201530042616	2/12/2015		
GP-21405-02-EM-DP	EM	001430318-0003	2/10/2015	001430318-0003	2/10/2015
GP-21406-00-PCT	WO	PCT/US2015/039659	7/6/2015		
GP-21406-00-US	US	14/329,341	7/11/2014		
GP-21407-00-PCT	WO	PCT/US2015/039307	7/7/2015		
GP-21407-00-US	US	14/325,715	7/8/2014		
GP-21408-00-US	US				
GP-21409-00-US	US	14/484,862	9/12/2014		
GP-21410-00-US	US	14/332,191	7/15/2014		
GP-21411-00-US	US	14/327,764	7/10/2014		
GP-21439-00-US	US	14/326,429	7/8/2014		
GP-21485-00-US	US				
GP-21486-00-US	US	14/332,745	7/16/2014		
GP-21487-00-US	US	14/333,237	7/16/2014		
GP-21488-00-US	US	14/333,155	7/16/2014		
GP-21489-00-US	US	14/519,765	10/21/2014		
GP-21490-00-US	US	14/333,244	7/16/2014		
GP-21491-00-US	US	14/336,589	7/21/2014		
GP-21492-00-US	US	14/333,140	7/16/2014		
GP-21494-00-PCT	WO	PCT/US2015/040604	7/15/2015		

GP-21494-00-US	US	14/332,594	7/16/2014		
GP-21682-00-PCT	WO	PCT/US2015/042658	7/29/2015		
GP-21682-00-US	US	14/453,443	8/6/2014		
GP-21726-00-PCT	WO	PCT/US2015/035482	6/12/2015		
GP-21726-00-PR	US	62/036,715	8/13/2014		
GP-21726-00-US	US	14/503,634	10/1/2014		
GP-21875-00-US	US	14/473,865	8/29/2014		
GP-22023-00-PR	US	62/012,005	6/13/2014		
GP-22023-01-PR	US	62/012,012	6/13/2014		
GP-22023-02-PR	US	62/012,017	6/13/2014		
GP-22023-03-PR	US	62/012,023	6/13/2014		
GP-22023-04-PR	US	62/012,033	6/13/2014		
GP-22029-00-US	US	14/484,164	9/11/2014		
GP-22141-00-US	US	14/476,916	9/4/2014		
GP-22145-00-PR	US	62/053,334	9/22/2014		
GP-22145-00-US	US				
GP-22146-00-PR	US	62/053,347	9/22/2014		
GP-22146-00-US	US				
GP-22147-00-US	US	14/492,321	9/22/2014		
GP-22148-00-US	US	14/492,391	9/22/2014		
GP-22148-01-PR	US	62/073,759	10/31/2014		
GP-22148-01-US	US	14/580,644	12/23/2014		
GP-22149-00-US	US	14/492,255	9/22/2014		
GP-22150-00-US	US	14/669,424	3/26/2015		
GP-22212-00-US	US	14/485,300	9/12/2014		
GP-22340-00-US	US	14/511,275	10/10/2014		
GP-22364-00-US	US	14/519,825	10/21/2014		
GP-22415-00-AU-DP	AU				
GP-22415-00-CA-DP	CA	160510	1/14/2015		
GP-22415-00-IDP	US	29/504,549	10/7/2014		
GP-22415-00-EM-DP	EM	001428643-0001 - 0003	1/15/2015		
GP-22425-00-US	US	14/503,847	10/1/2014		
GP-22541-00-US	US	14/531,998	11/3/2014		
GP-22542-00-US	US	14/531,504	11/3/2014		

GP-22543-00-US	US	14/689,882	4/17/2015		
GP-22544-00-US	US	14/531,856	11/3/2014		
GP-22545-00-US	US	14/531,863	11/3/2014		
GP-22562-00-US	US	14/485,637	9/12/2014		
GP-22577-00-US	US				
GP-22644-00-US	US	14/485,392	9/12/2014		
GP-22645-00-US	US	14/485,648	9/12/2014		
GP-22648-00-PR	US	62/059,794	10/3/2014		
GP-22648-00-US	US	14/584,012	12/29/2014		
GP-22649-00-US	US	14/506,335	10/3/2014		
GP-22650-00-US	US	14/503,706	10/1/2014		
GP-22652-00-US	US	14/503,760	10/1/2014		
GP-22653-00-US	US	14/501,199	9/30/2014		
GP-22673-00-US	US	14/522,710	10/24/2014		
GP-22690-00-US	US	14/506,400	10/3/2014		
GP-22849-00-US	US	14/583,861	12/29/2014		
GP-22852-00-US	US	14/583,155	12/25/2014		
GP-22853-00-US	US	14/594,956	1/12/2015		
GP-22866-00-US	US	14/550,560	11/21/2014		
GP-22869-00-PR	US	62/068,194	10/24/2014		
GP-22869-00-US	US	14/580,768	12/23/2014		
GP-22871-00-US	US	14/539,415	11/12/2014		
GP-22900-00-US	US	14/536,271	11/7/2014		
GP-22902-00-PR	US	62/074,625	11/3/2014		
GP-22902-00-US	US	14/558,389	12/2/2014		
GP-22904-00-PR	US	62/068,255	10/24/2014		
GP-22904-00-US	US	14/585,449	12/30/2014		
GP-22905-00-PR	US	62/068,417	10/24/2014		
GP-22905-00-US	US	14/583,978	12/29/2014		
GP-22907-00-US	US				
GP-22910-00-PR	US	62/068,310	10/24/2014		
GP-22911-00-PR	US	62/068,110	10/24/2014		
GP-22911-00-US	US	14/685,760	4/14/2015		
GP-22912-00-PR	US	62/068,287	10/24/2014		
GP-22912-00-US	US	14/585,671	12/30/2014		
GP-22913-00-US	US	14/551,480	11/24/2014		
GP-22914-00-US	US	14/587,560	12/31/2014		

GP-22915-00-US	US	14/789,707	7/1/2015		
GP-22916-00-US	US	14/596,952	1/14/2015		
GP-23017-00-US	US	14/637,251	3/3/2015		
GP-23018-00-PCT	WO	PCT/US2015/031231	5/15/2015		
GP-23018-00-US	US	14/587,639	12/31/2014		
GP-23019-00-US	US	14/678,639	4/3/2015		
GP-23020-00-PCT	WO	PCT/US2015/031232	5/15/2015		
GP-23020-00-US	US	14/587,664	12/31/2014		
GP-23158-00-US	US	14/623,012	2/16/2015		
GP-23158-01-PR	US	62/116,645	2/16/2015		
GP-23159-00-US	US				
GP-23160-00-PCT	WO	PCT/US2015/031233	5/15/2015		
GP-23160-00-US	US	14/701,360	4/30/2015		
GP-23161-00-PCT	WO	PCT/US2015/031418	5/18/2015		
GP-23161-00-US	US	14/694,953	4/23/2015		
GP-23162-00-US	US	14/599,435	1/16/2015		
GP-23176-00-US	US	14/681,601	4/8/2015		
GP-23177-00-PR	US	62/140,302	3/30/2015		
GP-23178-00-PR	US	62/144,646	4/8/2015		
GP-23179-00-PR	US	62/140,308	3/30/2015		
GP-23180-00-PCT	WO	PCT/US2015/031420	5/18/2015		
GP-23180-00-US	US	14/702,528	5/1/2015		
GP-23251-00-US	US	14/657,909	3/13/2015		
GP-23282-00-US	US	14/698,471	4/28/2015		
GP-23283-00-PCT	WO	PCT/US2015/031415	5/18/2015		
GP-23283-00-US	US	14/710,332	5/12/2015		
GP-23293-00-US	US	14/627,893	2/20/2015		
GP-23342-00-US	US	14/724,095	5/28/2015		
GP-23343-00-US	US	14/724,173	5/28/2015		
GP-23370-00-US	US	14/635,580	3/2/2015		
GP-23372-00-US	US	14/635,643	3/2/2015		
GP-23392-00-US	US	14/668,516	3/25/2015		
GP-23400-00-PR	US	62/121,630	2/27/2015		
GP-23400-00-US	US	14/691,754	4/21/2015		
GP-23401-00-PR	US	62/157,123	5/5/2015		
GP-23404-00-US	US	14/696,367	4/24/2015		

GP-23465-00-US	US	14/721,069	5/26/2015		
GP-23484-00-US	US	14/727,368	6/1/2015		
GP-23486-00-US	US	14/727,620	6/1/2015		
GP-23545-00-US	US	14/790,182	7/2/2015		
GP-23563-00-US	US	14/698,155	4/28/2015		
GP-23564-00-US	US	14/699,467	4/29/2015		
GP-23635-00-US	US	14/705,961	5/6/2015		
GP-23646-00-US	US	14/788,882	7/1/2015		
GP-23647-00-US	US	14/722,096	5/26/2015		
GP-23668-00-US	US	14/719,980	5/22/2015		
GP-23683-00-PR	US	62/155,409	4/30/2015		
GP-23692-00-US	US	14/790,719	7/2/2015		
GP-23693-00-US	US	14/810,588	7/28/2015		
GP-23731-00-US	US	14/793,220	7/7/2015		
GP-23739-00-PR	US	62/155,319	4/30/2015		
GP-23750-00-US	US				
GP-23751-00-US	US				
GP-23752-00-PR	US	62/187,712	7/1/2015		
GP-23814-00-US	US				
GP-23826-00-US	US	14/746,649	6/22/2015		
GP-23827-00-US	US	14/721,078	5/26/2015		
GP-23832-00-US	US	14/729,835	6/3/2015		
GP-23833-00-US	US	14/727,808	6/1/2015		
GP-23866-00-US	US				
GP-23872-00-PR	US				
GP-23873-00-US	US				
GP-23874-00-US	US				
GP-23876-00-US	US	14/813,713	7/30/2015		
GP-23892-00-PCT	WO	PCT/US2015/035661	6/12/2015		
GP-23892-00-US	US	14/737,363	6/11/2015		
GP-23892-01-US	US				
GP-23898-00-US	US				
GP-23898-01-US	US				
GP-23930-00-US	US				
GP-23946-00-PCT	WO	PCT/US2015/035663	6/12/2015		
GP-23946-00-US	US	14/737,266	6/11/2015		
GP-23953-00-PR	US	62/167,243	5/27/2015		

GP-23954-00-PR	US	62/167,245	5/27/2015		
GP-23955-00-PR	US	62/167,249	5/27/2015		
GP-23958-00-PR	US				
GP-23962-00-US	US	14/746,688	6/22/2015		
GP-23963-00-US	US				
GP-23971-00-US	US				
GP-24034-00-US	US				
GP-24035-00-US	US				
GP-24046-00-PR	US				
GP-24062-00-PR	US				
GP-24063-00-US	US				
GP-24064-00-US	US				
GP-24065-00-US	US				
GP-24072-00-US	US				
GP-24090-00-US	US				
GP-24201-00-US	US				
GP-24202-00-US	US				
GP-24203-00-US	US				
GP-24204-00-US	US				
GP-24205-00-US	US				
GP-24206-00-US	US				
GP-24207-00-US	US				
GP-24208-00-US	US				
GP-24209-00-US	US				
GP-24210-00-US	US				
GP-24211-00-US	US				
GP-24212-00-US	US				
GP-24213-00-US	US				
GP-24214-00-US	US				
GP-24215-00-US	US				
GP-24216-00-US	US				
GP-24293-00-PR	US				