

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5573151

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GOOD TECHNOLOGY HOLDINGS LIMITED	01/11/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BLACKBERRY LIMITED
<b>Street Address:</b>	2200 UNIVERSITY AVENUE EAST
<b>City:</b>	WATERLOO, ONTARIO
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	N2K 0A7
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16048456
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(877)769-7945
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Email:</b>	apsi@fr.com
<b>Correspondent Name:</b>	FISH & RICHARDSON P.C.
<b>Address Line 1:</b>	P.O. BOX 1022
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55440
<b>ATTORNEY DOCKET NUMBER:</b>	29717-2064004
<b>NAME OF SUBMITTER:</b>	CHRISTIE LOVEN
<b>SIGNATURE:</b>	/Christie Loven/
<b>DATE SIGNED:</b>	06/14/2019
<b>Total Attachments: 22</b>	
source=GoodTech_BBLtd#page1.tif	
source=GoodTech_BBLtd#page2.tif	
source=GoodTech_BBLtd#page3.tif	
source=GoodTech_BBLtd#page4.tif	
source=GoodTech_BBLtd#page5.tif	
source=GoodTech_BBLtd#page6.tif	
source=GoodTech_BBLtd#page7.tif	

source=GoodTech\_BBLtd#page8.tif  
source=GoodTech\_BBLtd#page9.tif  
source=GoodTech\_BBLtd#page10.tif  
source=GoodTech\_BBLtd#page11.tif  
source=GoodTech\_BBLtd#page12.tif  
source=GoodTech\_BBLtd#page13.tif  
source=GoodTech\_BBLtd#page14.tif  
source=GoodTech\_BBLtd#page15.tif  
source=GoodTech\_BBLtd#page16.tif  
source=GoodTech\_BBLtd#page17.tif  
source=GoodTech\_BBLtd#page18.tif  
source=GoodTech\_BBLtd#page19.tif  
source=GoodTech\_BBLtd#page20.tif  
source=GoodTech\_BBLtd#page21.tif  
source=GoodTech\_BBLtd#page22.tif

## CONFIRMATION AND ASSIGNMENT

WHEREAS GOOD TECHNOLOGY HOLDINGS LIMITED, a corporation organized under the laws of the Province of Ontario, Canada, having a place of business at 2200 University Avenue East, Waterloo, Ontario, N2K 0A7, Canada, (the "ASSIGNOR") is the owner of certain rights, title and interest in and to certain inventions and designs (the "Assignor Inventions"); and

WHEREAS BLACKBERRY LIMITED, a corporation organized under the laws of the Province of Ontario, Canada, having a place of business at 2200 University Avenue East, Waterloo, Ontario, N2K 0A7, Canada, (the "ASSIGNEE") is the owner of certain rights, title and interest in and to certain inventions and designs (the "Assignee Inventions"); and

WHEREAS ASSIGNOR and ASSIGNEE agree that ASSIGNEE is the owner of developments, modifications, improvements, adaptations of and derivative works, related to the Assignor Inventions or Assignee Inventions, whether created by ASSIGNEE or ASSIGNOR or on their behalf (the "Developments"), and that ASSIGNOR has received full market consideration therefor; and

WHEREAS ASSIGNOR wishes to confirm that ASSIGNEE is the owner of all rights, title and interest of the ASSIGNOR in and to certain of the Developments ("Creations"), described in documents, descriptions and/or drawings ("Creation Documents"), and/or described in applications for patents, design registrations, utility model registrations and other forms of protection ("Applications"), inclusive of any and all priority rights derived therefrom, and all ancillary rights relating thereto, as listed in Schedule "A" attached hereto.

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged by ASSIGNOR and ASSIGNEE, ASSIGNOR and ASSIGNEE, intending to be legally bound, agree as follows:

ASSIGNOR hereby confirms that it has transferred, conveyed and assigned, and by way of further assurance, to the extent that the transfer, conveyance or assignment has not already been fully effected, ASSIGNOR hereby transfers, conveys and assigns, any and all of its rights, title and interest in and to: the Creations; the Creation Documents; Applications, inclusive of any and all priority rights, including the right to claim priority, derived from the Applications; any further applications for patents, designs, utility models or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Creations in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all other forms of protection, rights and titles relating to the Creations and Creation Documents; and the right to obtain any extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Creations, Creation Documents, Applications,

Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this assignment; with the intent that the Creations, Creation Documents, Applications, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNOR hereby agrees, upon request, to provide assistance and to execute any and all further documents which may be necessary or desirable to enable ASSIGNEE or its successors and assigns (as applicable), to file, prosecute, bring proceedings and take other actions with respect to any and all of the Creations, Creation Documents, Applications, Further Applications, Divisionals and Extensions, and any and all patents and registrations granted thereon and other forms of protection, rights and titles relating thereto, and ASSIGNOR further agrees to execute, upon request, any and all further documents which may be necessary or desirable to vest or perfect the title of ASSIGNEE therein.

ASSIGNOR does hereby authorize ASSIGNEE or its patent agents or attorneys to insert in Schedule "A" the jurisdictions, application numbers, filing dates and any other indicia identifying the Applications when such information is available for the purpose of recording this assignment.

ASSIGNOR hereby authorizes and requests The Commissioner of Patents, or any equivalent authority, to issue to ASSIGNEE each and every patent, registration and other forms of protection, right and title granted upon the Applications, Further Applications, Divisionals and Extensions.

THIS ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns and shall be binding upon ASSIGNOR and its successors and permitted assigns.

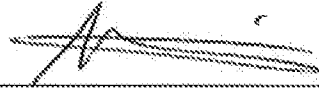
IF ANY COVENANT OR PROVISION, or portion thereof, of this document is determined to be void or unenforceable, such void or unenforceable covenant or provision, or portion thereof, is hereby conceded to be severable from the balance of this document, and any such determination shall not, in any event, affect or impair the validity of the balance of the covenant or provision, nor shall it affect or impair the validity of any other covenant or provision herein contained.

DELIVERY of this Confirmation and Assignment by copy, however transmitted, constitutes valid and effective delivery. This Confirmation and Assignment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original, and such counterparts shall together constitute one and the same instrument.

IN WITNESS WHEREOF, this Confirmation And Assignment has been executed below by the undersigned:

**Good Technology Holdings Limited**

Date: January 11, 2018



By:  
Name: Steve Rai  
Title: Director

**STATEMENT BY WITNESS**

I, Krista Luft whose full Post Office Address is

2200 University Avenue East, Waterloo, Ontario, N2K 0A7, Canada

(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: January 11, 2018

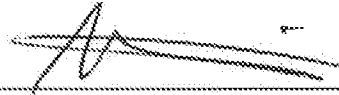


(Signature of Witness)

IN WITNESS WHEREOF, this Confirmation And Assignment has been executed below by the undersigned:

**BlackBerry Limited**

Date: January 11, 2018



By:  
Name: Steve Rai  
Title: Authorized Signing Officer

**STATEMENT BY WITNESS**


I, Krista Luft whose full Post Office Address is

2200 University Avenue East, Waterloo, Ontario, N2K 0A7, Canada

(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: January 11, 2018



(Signature of Witness)

## SCHEDULE "A" to Confirmation and Assignment

Country Code	Appln. No.	File Date	Patent No.	Grant Date	BB File #
US	09/220284	23 Dec 1998	6324542	27 Nov 2001	49615-US-CNT
US	08/665422	18 Jun 1996	5857201	05 Jan 1999	49615-US-PAT
US	90/010124	14 Mar 2008			49615-US-REX
US	90/010125	14 Mar 2008			49615-US-REX[2]
US	09/081268	19 May 1998	6233341	15 May 2001	49616-US-PAT
US	09/378226	19 Aug 1999	7373517	13 May 2008	49617-US-PAT
WO	PCT/US00/22812	18 Aug 2000			49617-WO-PCT
US	09/528363	17 Mar 2000	7739334	15 Jun 2010	49618-US-PAT
WO	PCT/US01/08407	15 Mar 2001			49618-WO-PCT
US	09/872859	01 Jun 2001	7284045	16 Oct 2007	49619-US-PAT
US	09/884531	19 Jun 2001	7444375	28 Oct 2008	49620-US-PAT
DE	02013573.7	20 Jun 2002	60217766.9	24 Jan 2007	49621-DE-EPA
EP	02013573.7	20 Jun 2002	1271908	24 Jan 2007	49621-EP-EPA
FR	02013573.7	20 Jun 2002	1271908	24 Jan 2007	49621-FR-EPA
GB	02013573.7	20 Jun 2002	1271908	24 Jan 2007	49621-GB-EPA
US	09/896054	29 Jun 2001	7389118	17 Jun 2008	49621-US-PAT
US	09/902060	09 Jul 2001	7064688	20 Jun 2006	49622-US-PAT
WO	PCT/US02/21544	08 Jul 2002			49622-WO-PCT
US	10/056313	23 Jan 2002	6741232	25 May 2004	49623-US-PAT
WO	PCT/US03/02272	23 Jan 2003			49623-WO-PCT
US	10/107032	26 Mar 2002	7788382	31 Aug 2010	49624-US-PAT
US	10/114548	02 Apr 2002	6726106	27 Apr 2004	49625-US-PAT
US	10/117492	04 Apr 2002	8094591	10 Jan 2012	49626-US-PAT
US	60/365413	19 Mar 2002			49626-US-PRV
US	10/164819	06 Jun 2002	6727856	27 Apr 2004	49627-US-PAT
US	10/174715	18 Jun 2002	7032181	18 Apr 2006	49628-US-PAT
US	10/252622	23 Sep 2002			49628-US-PAT[2]

US	10/191093	08 Jul 2002	8516034	20 Aug 2013	49629-US-PAT
US	10/430943	07 May 2003	7275073	25 Sep 2007	49631-US-PAT
US	10/434138	08 May 2003	7890091	15 Feb 2011	49632-US-PAT
US	10/434967	09 May 2003	7840631	23 Nov 2010	49633-US-PAT
US	13/684021	21 Nov 2012			49633-US-REI
US	10/436298	12 May 2003	7184801	27 Feb 2007	49634-US-PAT
US	13/087322	14 Apr 2011	9135434	15 Sep 2015	49635-US-PAT
US	15/479528	05 Apr 2017			49636-US-CNT
US	13/745226	18 Nov 2013	9645834	09 May 2017	49636-US-PAT
CN	201480043455.X	30 Jul 2014			49637-CN-PCT
EP	14753374.9	30 Jul 2014			49637-EP-EPT
US	15/068081	11 Mar 2016	9742777	22 Aug 2017	49637-US-CNT
US	13/955622	31 Jul 2013	9305162	05 Apr 2016	49637-US-PAT
WO	PCT/US2014/048968	30 Jul 2014			49637-WO-PCT
US	10/721449	25 Nov 2003	7039394	02 May 2006	49638-US-PAT
US	10/964912	13 Oct 2004	7620001	17 Nov 2009	49639-US-PAT
CA	2852572	28 May 2014			49640-CA-PAT
US	13/906893	31 May 2013			49640-US-PAT
US	12/577428	12 Oct 2009	8078157	13 Dec 2011	49641-US-CNT
US	11/363582	27 Feb 2006	7620392	17 Nov 2009	49641-US-PAT
US	14/106534	13 Dec 2013	RE46,355	28 Mar 2017	49641-US-REI
CA	2835933	06 Dec 2013			49642-CA-PAT
US	13/716852	17 Dec 2012			49642-US-PAT
US	10/923650	20 Aug 2004	7672978	02 Mar 2010	49643-US-PAT
CN	201480004202.1	07 Jan 2014			49644-CN-PCT
EP	14738085.1	07 Jan 2014			49644-EP-EPT
HK	16103757.9	01 Apr 2016			49644-HK-FPR
US	14/793115	07 Jul 2015			49644-US-CNT
US	61/750108	08 Jan 2013			49644-US-PRV
WO	PCT/US2014/010559	07 Jan 2014			49644-WO-PCT
IL	125977	28 Aug 1998	125977	13 Apr 2003	49645-IL-PAT



US	14/263836	28 Apr 2014				49646-US-PAT
US	11/146820	07 Jun 2005	7590403		15 Sep 2009	49647-US-PAT
CA	2982539	12 Apr 2016				49648-CA-PCT
EP	16/80569.6	12 Apr 2016				49648-EP-EPT
US	15/097170	12 Apr 2016				49648-US-PAT
US	62/147933	15 Apr 2015				49648-US-PRV
WO	PCT/US2016/027149	12 Apr 2016				49648-WO-PCT
CN	201180062749.3	21 Oct 2011	201180062749.3		03 May 2017	49649-CN-PCT
EP	11782076.1	21 Oct 2011				49649-EP-EPT
US	12/912571	26 Oct 2010	9576068		21 Feb 2017	49649-US-PAT
WO	PCT/EP2011/068458	21 Oct 2011				49649-WO-PCT
CN	201280017785.2	06 Feb 2012	201280017785.2		05 Oct 2016	49650-CN-PCT
EP	12705012.8	06 Feb 2012				49650-EP-EPT
US	13/845435	18 Mar 2013				49650-US-CNT
US	14/973290	17 Dec 2015				49650-US-CNT[2]
US	13/025984	11 Feb 2011	8407776		26 Mar 2013	49650-US-PAT
WO	PCT/US2012/024021	06 Feb 2012				49650-WO-PCT
EP	09812250.0	04 Sep 2009				49651-EP-EPT
US	14/567992	11 Dec 2014	9578488		21 Feb 2017	49651-US-CNT
US	12/554428	04 Sep 2009	8942675		27 Jan 2015	49651-US-PAT
US	61/094450	05 Sep 2008				49651-US-PRV
WO	PCT/US2009/055962	04 Sep 2009				49651-WO-PCT
US	13/183138	14 Jul 2011	8429128		23 Apr 2013	49652-US-CNT
US	13/847621	20 Mar 2013	9158829		13 Oct 2015	49652-US-CNT[2]
US	11/261529	28 Oct 2005	8001082		16 Aug 2011	49652-US-PAT
US	60/622813	28 Oct 2004				49652-US-PRV
JP	10-251467	04 Sep 1998	3474453		19 Sep 2003	49653-JP-PAT
CN	200880121539.5	05 Nov 2008				49654-CN-PCT
EP	08847344.2	05 Nov 2008				49654-EP-EPT
IN	3107/DELNP/2010	05 Nov 2008				49654-IN-PCT
KR	10-2010-7010463	05 Nov 2008				49654-KR-PCT



US	12/770936		30 Apr 2010	8150431	03 Apr 2012	49654-US-CNT
US	60/985354		05 Nov 2007			49654-US-PRV
WO	PCT/US2008/082450		05 Nov 2008			49654-WO-PCT
CA	2959732		04 Sep 2015			49655-CA-PCT
EP	15778077.6		04 Sep 2015			49655-EP-EPT
US	15/508985		04 Sep 2015			49655-US-PCT
US	62/047573		08 Sep 2014			49655-US-PRV
WO	PCT/US2015/048685		04 Sep 2015			49655-WO-PCT
CA	2959794		04 Sep 2015			49656-CA-PCT
EP	15772065.7		04 Sep 2015			49656-EP-EPT
US	15/508995		04 Sep 2015			49656-US-PCT
US	62/047416		08 Sep 2014			49656-US-PRV
WO	PCT/US2015/048706		04 Sep 2015			49656-WO-PCT
CA	2962418		23 Sep 2015			49657-CA-PCT
EP	15781194.4		23 Sep 2015			49657-EP-EPT
US	15/513114		23 Sep 2015			49657-US-PCT
US	62/055202		25 Sep 2014			49657-US-PRV
WO	PCT/US2015/051771		23 Sep 2015			49657-WO-PCT
US	15/053805		25 Feb 2016			49658-US-PAT
US	62/199487		31 Jul 2015			49658-US-PRV
WO	PCT/US2016/019631		25 Feb 2016			49658-WO-PCT
CN	99813140.7		21 Sep 1999	99813140.7	26 Nov 2003	49659-CN-PCT
DE	99948341.5		21 Sep 1999	69944690.2	03 Apr 2013	49659-DE-EPT
EA	200100420		21 Sep 1999			49659-EA-EAT
EP	99948341.5		21 Sep 1999	1127321	03 Apr 2013	49659-EP-EPT
ES	99948341.5		21 Sep 1999	1127321	03 Apr 2013	49659-ES-EPT
FR	99948341.5		21 Sep 1999	1127321	03 Apr 2013	49659-FR-EPT
GB	99948341.5		21 Sep 1999	1127321	03 Apr 2013	49659-GB-EPT
HK	20020104217		04 Jun 2002	1042572	08 Oct 2004	49659-HK-FPR
JP	2000-575049		21 Sep 1999	4757384	10 Jun 2011	49659-JP-PCT
NL	99948341.5		21 Sep 1999	1127321	03 Apr 2013	49659-NL-EPT



US	09/167044	05 Oct 1998	6131096	10 Oct 2000	49659-US-PAT
WO	PCT/US1999/021723	21 Sep 1999			49659-WO-PCT
US	09/179252	26 Oct 1998	5968131	19 Oct 1999	49660-1-US-CNT
US	08/835997	11 Apr 1997	6085192	04 Jul 2000	49660-1-US-PAT
US	90/010242	11 Aug 2008			49660-1-US-REX
US	90/010259	28 Aug 2008			49660-1-US-REX[2]
US	90/010442	04 Mar 2009			49660-1-US-REX[3]
US	90/008062	23 Jun 2006			49660-1-US-REX[4]
US	90/007040	18 May 2004			49660-1-US-REX[5]
US	90/007093	18 Jun 2004			49660-1-US-REX[6]
US	08/841950	08 Apr 1997	7287271	23 Oct 2007	49660-2-US-PAT
US	90/010499	21 Apr 2009			49660-2-US-REX
AT	07102846.8	21 Jul 1998	1783675	15 Oct 2008	49660-3-AT-EPA
AT	07103428.4	21 Jul 1998	1785927	15 Oct 2008	49660-3-AT-EPA[2]
AT	98936865.9	21 Jul 1998	0996905	24 May 2006	49660-3-AT-EPT
AT	06009953.8	21 Jul 1998	1722321	15 Oct 2008	49660-3-AT-ETD[2]
BE	98936865.9	21 Jul 1998	0996905	24 May 2006	49660-3-BE-EPT
CA	2296432	21 Jul 1998			49660-3-CA-PCT
CH	98936865.9	21 Jul 1998	0996905	24 May 2006	49660-3-CH-EPT
CN	98808393.0	21 Jul 1998			49660-3-CN-PCT
CY	98936865.9	21 Jul 1998	0996905	24 May 2006	49660-3-CY-EPT
DE	07102846.8	21 Jul 1998	69840138.7	15 Oct 2008	49660-3-DE-EPA
DE	07103428.4	21 Jul 1998	69840139.5	15 Oct 2008	49660-3-DE-EPA[2]
DE	98936865.9	21 Jul 1998	0996905	24 May 2006	49660-3-DE-EPT
DE	06009953.8	21 Jul 1998	69840137.9	15 Oct 2008	49660-3-DE-ETD[2]
DK	98936865.9	21 Jul 1998	0996905	24 May 2006	49660-3-DK-EPT
EP	07102846.8	21 Jul 1998	1783675	15 Oct 2008	49660-3-EP-EPA
EP	07103428.4	21 Jul 1998	1785927	15 Oct 2008	49660-3-EP-EPA[2]
EP	98936865.9	21 Jul 1998	0996905	24 May 2006	49660-3-EP-EPT
EP	06075422.3	21 Jul 1998			49660-3-EP-ETD
EP	07122412.5	21 Jul 1998			49660-3-EP-ETD[1]



EP	06009953 8	21 Jul 1998	1722321	15 Oct 2008	49660-3-EP-ETD[2]
EP	10162316.3	21 Jul 1998			49660-3-EP-ETD[3]
ES	07102846.8	21 Jul 1998	1783675	15 Oct 2008	49660-3-ES-EPA
ES	07103428.4	21 Jul 1998	1785927	15 Oct 2008	49660-3-ES-EPA[2]
ES	98936865.9	21 Jul 1998	0996905	24 May 2006	49660-3-ES-EPT
ES	06009953 8	21 Jul 1998	1722321	15 Oct 2008	49660-3-ES-ETD[2]
FI	07103428.4	21 Jul 1998	1785927	15 Oct 2008	49660-3-FI-EPA[2]
FI	98936865.9	21 Jul 1998	0996905	24 May 2006	49660-3-FI-EPT
FR	07102846.8	21 Jul 1998	1783675	15 Oct 2008	49660-3-FR-EPA
FR	07103428.4	21 Jul 1998	1785927	15 Oct 2008	49660-3-FR-EPA[2]
FR	98936865.9	21 Jul 1998	0996905	24 May 2006	49660-3-FR-EPT
FR	06009953 8	21 Jul 1998	1722321	15 Oct 2008	49660-3-FR-ETD[2]
GB	07102846.8	21 Jul 1998	1783675	15 Oct 2008	49660-3-GB-EPA
GB	07103428.4	21 Jul 1998	1785927	15 Oct 2008	49660-3-GB-EPA[2]
GB	98936865.9	21 Jul 1998	0996905	24 May 2006	49660-3-GB-EPT
GB	06009953 8	21 Jul 1998	1722321	15 Oct 2008	49660-3-GB-ETD[2]
GR	98936865.9	21 Jul 1998	0996905	24 May 2006	49660-3-GR-EPT
HK	00106992.5	02 Nov 2000	1028283	21 Jul 2006	49660-3-HK-FPR
IE	98936865.9	21 Jul 1998	0996905	24 May 2006	49660-3-IE-EPT
IL	134138	21 Jul 1998	134138	21 Sep 2004	49660-3-IL-PCT
IT	07103428.4	21 Jul 1998	1785927	15 Oct 2008	49660-3-IT-EPA[2]
IT	98936865.9	21 Jul 1998	0996905	24 May 2006	49660-3-IT-EPT
JP	2000-504527	21 Jul 1998	3532854	12 Mar 2004	49660-3-JP-PCT
LU	98936865.9	21 Jul 1998	0996905	24 May 2006	49660-3-LU-EPT
MC	98936865.9	21 Jul 1998	0996905	24 May 2006	49660-3-MC-EPT
NL	07102846.8	21 Jul 1998	1783675	15 Oct 2008	49660-3-NL-EPA
NL	07103428.4	21 Jul 1998	1785927	15 Oct 2008	49660-3-NL-EPA[2]
NL	98936865.9	21 Jul 1998	0996905	24 May 2006	49660-3-NL-EPT
NL	06009953 8	21 Jul 1998	1722321	15 Oct 2008	49660-3-NL-ETD[2]
PT	98936865.9	21 Jul 1998	0996905	24 May 2006	49660-3-PT-EPT
SE	07102846.8	21 Jul 1998	1783675	15 Oct 2008	49660-3-SE-EPA

SE	07103428.4	21 Jul 1998	1785927	15 Oct 2008	49660-3-SE-EPA[2]
SE	98936865.9	21 Jul 1998	0996905	24 May 2006	49660-3-SE-EPT
SE	06009953.8	21 Jul 1998	1722321	15 Oct 2008	49660-3-SE-ETD[2]
SG	200002212	21 Jul 1998			49660-3-SG-PCT
US	08/897888	22 Jul 1997	5961590	05 Oct 1999	49660-3-US-CIP
US	08/865075	29 May 1997	6023708	08 Feb 2000	49660-3-US-PAT
US	90/010495	14 Apr 2009			49660-3-US-REX
US	90/007421	15 Feb 2005			49660-3-US-REX[2]
US	90/007933	10 Feb 2006			49660-3-US-REX[3]
WO	PCT/US1998/014742	21 Jul 1998			49660-3-WO-PCT
US	08/899277	23 Jul 1997	6766454	20 Jul 2004	49660-4-US-CIP
WO	PCT/US98/15036	21 Jul 1998			49660-4-WO-PCT
CN	98808695.6	23 Jul 1998	98808695.6	12 Oct 2005	49660-5-CN-PCT
DE	98936975.6	23 Jul 1998	69841918.9	29 Sep 2010	49660-5-DE-EPT
DE	10151490.9	23 Jul 1998	69843355.6	07 Jan 2015	49660-5-DE-ETD
DE	10163803.9	23 Jul 1998	69842777.7	20 Jun 2012	49660-5-DE-ETD[3]
FR	98936975.6	23 Jul 1998	1018066	29 Sep 2010	49660-5-FR-EPT
FR	10151490.9	23 Jul 1998	2172852	07 Jan 2015	49660-5-FR-ETD
FR	10163803.9	23 Jul 1998	2224673	20 Jun 2012	49660-5-FR-ETD[3]
GB	98936975.6	23 Jul 1998	1018066	29 Sep 2010	49660-5-GB-EPT
GB	10151490.9	23 Jul 1998	2172852	07 Jan 2015	49660-5-GB-ETD
GB	10163803.9	23 Jul 1998	2224673	20 Jun 2012	49660-5-GB-ETD[3]
JP	2009-045801	27 Feb 2009	4563488	06 Aug 2010	49660-5-JP-PCD
US	13/038801	02 Mar 2011	9361603	07 Jun 2016	49660-5-US-CNT[6]
US	09/921228	01 Aug 2001	7225231	29 May 2007	49660-5-US-CNT[7]
US	08/766307	13 Dec 1996	6131116	21 Sep 2000	49660-US-PAT
US	90/010498	21 Apr 2009			49660-US-REX
WO	PCT/US97/22784	12 Oct 1997			49660-WO-PCT
CA	2483887	30 Apr 2003			49661-1-CA-PCT
DE	03726541.0	30 Apr 2003	60329998.9	11 Nov 2009	49661-1-DE-EPT
DE	09175614.8	14 Jul 2010	60343580.7	20 Mar 2013	49661-1-DE-ETD



EP	03726541.0	30 Apr 2003	1502199	11 Nov 2009	49661-1-EP-EPT
EP	09175614.8	14 Jul 2010	2207328	20 Mar 2013	49661-1-EP-ETD
ES	03726541.0	30 Apr 2003	1502199	11 Nov 2009	49661-1-ES-EPT
ES	09175614.8	14 Jul 2010	2207328	20 Mar 2013	49661-1-ES-ETD
FR	03726541.0	30 Apr 2003	1502199	11 Nov 2009	49661-1-FR-EPT
FR	09175614.8	14 Jul 2010	2207328	20 Mar 2013	49661-1-FR-ETD
GB	03726541.0	30 Apr 2003	1502199	11 Nov 2009	49661-1-GB-EPT
GB	09175614.8	14 Jul 2010	2207328	20 Mar 2013	49661-1-GB-ETD
JP	2004-502182	30 Apr 2003	4588443	17 Sep 2010	49661-1-JP-PCT
NL	03726541.0	30 Apr 2003	1502199	10 Nov 2009	49661-1-NL-EPT
NL	09175614.8	14 Jul 2010	2207328	20 Mar 2013	49661-1-NL-ETD
NO	20045179	30 Apr 2003			49661-1-NO-PCT
US	10/425981	30 Apr 2003			49661-1-US-CIP
US	11/872633	15 Oct 2007	8412805	02 Apr 2013	49661-1-US-CNT
US	12/900128	07 Oct 2010	9407695	02 Aug 2016	49661-1-US-CNT[2]
US	60/376962	30 Apr 2002			49661-1-US-PRV
WO	PCT/US2003/013413	30 Apr 2003			49661-1-WO-PCT
CA	2449753	31 May 2002			49661-CA-PCT
DE	02/37257.2	31 May 2002	60239530.5	23 Mar 2011	49661-DE-EPT
EP	02/37257.2	31 May 2002	1393185	23 Mar 2011	49661-EP-EPT
ES	02/37257.2	31 May 2002	1393185	23 Mar 2011	49661-ES-EPT
FR	02/37257.2	31 May 2002	1393185	23 Mar 2011	49661-FR-EPT
GB	02/37257.2	31 May 2002	1393185	23 Mar 2011	49661-GB-EPT
JP	2008-256561	01 Oct 2008			49661-JP-PCD
JP	2003-502698	31 May 2002			49661-JP-PCT
NL	02/37257.2	31 May 2002	1393185	23 Mar 2011	49661-NL-EPT
US	09/872753	01 Jun 2001	7228383	05 Jun 2007	49661-US-PAT
US	12/805448	30 Jul 2010			49661-US-REI
US	95/000332	08 Jan 2008			49661-US-REX
WO	PCT/US2002/016951	31 May 2002			49661-WO-PCT
DE	03726450.4	23 Apr 2003	60320803.7	07 May 2008	49662-DE-EPT

EP	03726450 4	23 Apr 2003	1532538	07 May 2008	49662-EP-EPT
ES	03726450 4	23 Apr 2003	1532538	07 May 2008	49662-ES-EPT
FR	03726450 4	23 Apr 2003	1532538	07 May 2008	49662-FR-EPT
GB	03726450 4	23 Apr 2003	1532538	07 May 2008	49662-GB-EPT
JP	2004/500200	23 Apr 2003			49662-JP-PCT
US	10/133817	24 Apr 2002	7447799	04 Nov 2008	49662-US-PAT
WO	PCT/US2003/012799	23 Apr 2003			49662-WO-PCT
AU	2003259893	09 Aug 2003	2003259893	25 Jun 2009	49663-AU-PCT
CA	2495083	09 Aug 2003			49663-CA-PCT
CN	03822497 6	09 Aug 2003	03822497 6	09 Aug 2003	49663-CN-PCT
DE	03785295 1	09 Aug 2003	60348609 6	02 Mar 2016	49663-DE-EPT
DE	10185486 7	09 Aug 2003	603444393 1	26 Jun 2013	49663-DE-ETD
DE	15171944 0	12 Jun 2015	2955896	18 Oct 2017	49663-DE-ETD[2]
EP	03785295 1	09 Aug 2003	1535159	02 Mar 2016	49663-EP-EPT
EP	10185486 7	09 Aug 2003	2375336	26 Jun 2013	49663-EP-ETD
EP	15171944 0	12 Jun 2015	2955896	18 Oct 2017	49663-EP-ETD[2]
FR	03785295 1	09 Aug 2003	1535159	02 Mar 2016	49663-FR-EPT
FR	10185486 7	09 Aug 2003	2375336	26 Jun 2013	49663-FR-ETD
FR	15171944 0	12 Jun 2015	2955896	18 Oct 2017	49663-FR-ETD[2]
GB	03785295 1	09 Aug 2003	1535159	02 Mar 2016	49663-GB-EPT
GB	10185486 7	09 Aug 2003	2375336	26 Jun 2013	49663-GB-ETD
GB	15171944 0	12 Jun 2015	2955896	18 Oct 2017	49663-GB-ETD[2]
IL	166762	09 Aug 2003			49663-IL-PCT
IN	8584/DELNP/2007	06 Nov 2007			49663-IN-PCD
IN	875/DELNP/2005	09 Aug 2003	247209	30 Mar 2011	49663-IN-PCT
JP	2004-528143	09 Aug 2003	4612416	22 Oct 2010	49663-JP-PCT
NL	03785295 1	09 Aug 2003	1535159	02 Mar 2016	49663-NL-EPT
NL	10185486 7	09 Aug 2003	2375336	26 Jun 2013	49663-NL-ETD
NL	15171944 0	12 Jun 2015	2955896	18 Oct 2017	49663-NL-ETD[2]
US	12/885061	17 Sep 2010	8696765	15 Apr 2014	49663-US-CNT
US	14/192802	27 Feb 2014	9083707	14 Jul 2015	49663-US-CNT[2]

US	14/791078	02 Jul 2015	9672371	06 Jun 2017	49663-US-CNT[3]
US	15/499995	28 Apr 2017			49663-US-CNT[4]
US	10/637267	09 Aug 2003	8012219	06 Sep 2011	49663-US-PAT
US	60/402287	09 Aug 2002			49663-US-PRV
WO	PCT/US2003/025795	09 Aug 2003			49663-WO-PCT
CN	200680024899.4	01 Jun 2006	101449607	19 Jun 2013	49664-CN-PCT
DE	06760627.7	01 Jun 2006	602006050046.7	24 Aug 2016	49664-DE-EPT
EP	06760627.7	01 Jun 2006	1891767	24 Aug 2016	49664-EP-EPT
EP	16157162.5	24 Feb 2016			49664-EP-ETD
FR	06760627.7	01 Jun 2006	1891767	24 Aug 2016	49664-FR-EPT
GB	06760627.7	01 Jun 2006	1891767	24 Aug 2016	49664-GB-EPT
JP	2008-514862	01 Jun 2006			49664-JP-PCT
NL	06760627.7	01 Jun 2006	1891767	24 Aug 2016	49664-NL-EPT
US	13/113478	23 May 2011	8351908	08 Jan 2013	49664-US-CNT
US	13/728625	27 Dec 2012	8849257	30 Sep 2014	49664-US-CNT[2]
US	14/472229	28 Aug 2014	9432871	30 Aug 2016	49664-US-CNT[3]
US	11/145391	03 Jun 2005	7970386	28 Jun 2011	49664-US-PAT
WO	PCT/US2006/021297	01 Jun 2006			49664-WO-PCT
US	11/363583	27 Feb 2006	7702322	20 Apr 2010	49665-US-PAT
CN	99803070.8	15 Jan 1999	99803070.8	30 Apr 2003	49666-CN-PCT
DE	09150400.1	15 Jan 1999	69944105.6	14 Mar 2012	49666-DE-ETD
EA	2000000771	15 Jan 1999	002411	25 Apr 2002	49666-EA-EAT
EP	99903138.8	15 Jan 1999			49666-EP-EPT
EP	09150400.1	15 Jan 1999	2048586	14 Mar 2012	49666-EP-ETD
EP	10184699.6	15 Jan 1999			49666-EP-ETD[2]
ES	09150400.1	15 Jan 1999	2048586	14 Mar 2012	49666-ES-ETD
FR	09150400.1	15 Jan 1999	2048586	14 Mar 2012	49666-FR-ETD
GB	09150400.1	15 Jan 1999	2048586	14 Mar 2012	49666-GB-ETD
HK	01107151.9	11 Oct 2001			49666-HK-FPR
JP	2009-184961	07 Aug 2009			49666-JP-PCD
JP	2000-540509	15 Jan 1999			49666-JP-PCT





NL	09150400.1	15 Jan 1999	2048586	14 Mar 2012	49666-NL-ETD
US	09/008354	16 Jan 1998	6151606	21 Nov 2000	49666-US-PAT
US	90/008292	11 Oct 2006			49666-US-REX
WO	PCT/US1999/000973	15 Jan 1999			49666-WO-PCT
DE	04707416.6	02 Feb 2004	602004028121.2	14 Jul 2010	49667-DE-EPT
DE	10169425.5	02 Feb 2004	602004040497.7	19 Dec 2012	49667-DE-ETD
EP	04707416.6	02 Feb 2004	1634162	14 Jul 2010	49667-EP-EPT
EP	10169425.5	02 Feb 2004	2325743	19 Dec 2012	49667-EP-ETD
ES	04707416.6	02 Feb 2004	1634162	14 Jul 2010	49667-ES-EPT
ES	10169425.5	02 Feb 2004	2325743	19 Dec 2012	49667-ES-ETD
FR	04707416.6	02 Feb 2004	1634162	14 Jul 2010	49667-FR-EPT
FR	10169425.5	02 Feb 2004	2325743	19 Dec 2012	49667-FR-ETD
GB	04707416.6	02 Feb 2004	1634162	14 Jul 2010	49667-GB-EPT
GB	10169425.5	02 Feb 2004	2325743	19 Dec 2012	49667-GB-ETD
IT	04707416.6	02 Feb 2004	502010901875756	14 Jul 2010	49667-IT-EPT
IT	10169425.5	02 Feb 2004	502013902138384	19 Dec 2012	49667-IT-ETD
NL	04707416.6	02 Feb 2004	1634162	14 Jul 2010	49667-NL-EPT
NL	10169425.5	02 Feb 2004	2325743	19 Dec 2012	49667-NL-ETD
US	12/017536	22 Jan 2008			49667-US-CNT
US	12/708277	18 Feb 2010	8041776	18 Oct 2011	49667-US-CNT[2]
US	13/225786	06 Sep 2011	8478829	02 Jul 2013	49667-US-CNT[3]
US	13/923885	21 Jun 2013	9059956	16 Jun 2015	49667-US-CNT[4]
US	10/770841	02 Feb 2004	7363349	22 Apr 2008	49667-US-PAT
US	60/444213	31 Jan 2003			49667-US-PRV
US	95/001138	21 Jan 2009			49667-US-REX
WO	PCT/US2004/002902	02 Feb 2004			49667-WO-PCT
CN	02822328.4	11 Nov 2002	1585944	18 Oct 2006	49668-CN-PCT
EP	0277372.0	11 Nov 2002			49668-EP-EPT
FI	20012185	12 Nov 2001			49668-FI-PAT
KR	2004-7003479	11 Nov 2002	945221	24 Feb 2010	49668-KR-PCT
US	10/292086	11 Nov 2002	7376697	20 May 2008	49668-US-PAT



WO		PCT/FI2002/000886	11 Nov 2002				49668-WO-PCT
AU		2002357731	15 Nov 2002				49669-AU-PCT
CA		2467404	15 Nov 2002				49669-CA-PCT
DE		02792269 9	15 Nov 2002	60248871.0		10 May 2017	49669-DE-EPT
EP		02792269 9	15 Nov 2002	1459213		10 May 2017	49669-EP-EPT
FR		02792269 9	15 Nov 2002	1459213		10 May 2017	49669-FR-EPT
GB		02792269 9	15 Nov 2002	1459213		10 May 2017	49669-GB-EPT
IL		162008	15 Nov 2002				49669-IL-PCT
JP		2003-546265	15 Nov 2002				49669-JP-PCT
US		12796969	09 Jun 2010	8069144		29 Nov 2011	49669-US-CNT
US		12645799	23 Dec 2009	8255359		28 Aug 2012	49669-US-DIV
US		10/295702	15 Nov 2002	7752166		06 Jul 2010	49669-US-PAT
US		60/336326	15 Nov 2001				49669-US-PRV
WO		PCT/US2002/036777	15 Nov 2002				49669-WO-PCT
DE		02724501 8	17 Apr 2002	60229885.7		12 Nov 2008	49670-DE-EPT
EP		02724501 8	17 Apr 2002	1495420		12 Nov 2008	49670-EP-EPT
FI		02724501 8	17 Apr 2002	1495420		12 Nov 2008	49670-FI-EPT
FR		02724501 8	17 Apr 2002	1495420		12 Nov 2008	49670-FR-EPT
GB		02724501 8	17 Apr 2002	1495420		12 Nov 2008	49670-GB-EPT
NL		02724501 8	17 Apr 2002	1495420		12 Nov 2008	49670-NL-EPT
US		10/410881	09 Apr 2003	7590629		15 Sep 2009	49670-US-PAT
WO		PCT/IB2002/001236	17 Apr 2002				49670-WO-PCT
CN		200580005609.7	18 Feb 2005	200580005609.7		08 Dec 2010	49671-CN-PCT
DE		05708566 4	18 Feb 2005	602005022411.4		21 Jul 2010	49671-DE-EPT
GB		05708566 4	18 Feb 2005	1719328		21 Jul 2010	49671-GB-EPT
KR		2006-7016768	18 Feb 2005	888662		06 Mar 2009	49671-KR-PCT
CN		201180038108 4	17 Jun 2011	201180038108.4		05 Apr 2017	49672-CN-PCT
DE		11749230 6	17 Jun 2011				49672-DE-EPT
EP		11749230 6	17 Jun 2011				49672-EP-EPT
FR		11749230 6	17 Jun 2011				49672-FR-EPT
GB		11749230 6	17 Jun 2011				49672-GB-EPT



US	12/791749	01 Jun 2010	9350708	24 May 2016	49672-US-PAT
WO	PCT/IB2011/052655	17 Jun 2011			49672-WO-PCT
CN	201280051528.0	19 Oct 2012			49673-CN-PCT
EP	12841035.4	19 Oct 2012			49673-EP-EPT
US	14/724606	28 May 2015	9600257	21 Mar 2017	49673-US-CNT
US	13/277051	19 Oct 2011	9110750	18 Aug 2015	49673-US-PAT
WO	PCT/US2012/061040	19 Oct 2012			49673-WO-PCT
CN	201280056667.2	15 Nov 2012	201280056667.2	24 Nov 2017	49674-CN-PCT
EP	12799091.9	15 Nov 2012			49674-EP-EPT
US	13/299304	17 Nov 2011	9489530	08 Nov 2016	49674-US-PAT
WO	PCT/EP2012/072763	15 Nov 2012			49674-WO-PCT
CN	201380011096.5	27 Feb 2013			49675-CN-PCT
EP	13755025.7	27 Feb 2013			49675-EP-EPT
US	15/167488	27 May 2016			49675-US-CNT
US	13/780245	28 Feb 2013	9356994	31 May 2016	49675-US-PAT
US	61/604898	29 Feb 2012			49675-US-PRV
WO	PCT/US2013/027972	27 Feb 2013			49675-WO-PCT
CN	201180041196.3	24 Aug 2011	201180041196.3	20 Jan 2016	49676-CN-PCT
EP	11820595.4	24 Aug 2011			49676-EP-EPT
US	13/216962	24 Aug 2011	9621405	11 Apr 2017	49676-US-PAT
EP	14819177.8	26 Nov 2014			49677-EP-EPT
US	14/093005	28 Nov 2013	9361163	07 Jun 2016	49677-US-PAT
US	15/039976	26 Nov 2014			49677-US-PCT
WO	PCT/US2014/067694	26 Nov 2014			49677-WO-PCT
EP	08799914.0	24 Apr 2008			49678-EP-EPT
US	11/789695	24 Apr 2007			49678-US-PAT
CA	2847507	24 Mar 2014			49679-CA-PAT
US	14/977531	21 Dec 2015	9646152	09 May 2017	49679-US-CNT
US	13/896543	17 May 2013			49679-US-PAT
CN	201280019975.8	10 Feb 2012			49680-CN-PCT
EP	12708786.4	10 Feb 2012			49680-EP-EPT



US	13/034493	24 Feb 2011	9547846	17 Jan 2017	49680-US-PAT
WO	PCT/EP2012/052353	10 Feb 2012			49680-WO-PCT
US	14/952835	25 Nov 2015			49681-US-CNT[5]
US	13/369055	08 Feb 2012	8594618	26 Nov 2013	49681-US-PAT
CN	201380011109.9	27 Feb 2013			49682-CN-PCT
EP	13754649.5	27 Feb 2013			49682-EP-EPT
US	13/780191	28 Feb 2013	9385996	05 Jul 2016	49682-US-PAT
US	61/604894	29 Feb 2012			49682-US-PRV
WO	PCT/US2013/027954	27 Feb 2013			49682-WO-PCT
US	14/951350	24 Nov 2015	9813514	07 Nov 2017	49683-US-CNT
US	10/171048	12 Jun 2002			49683-US-PAT
EP	14868833.6	11 Dec 2014			49684-EP-EPT
GB	1603058.7	23 Feb 2016			49684-GB-DIV[2]
GB	1322032.2	12 Dec 2013	2521195	29 Jun 2016	49684-GB-PAT
GB	1322033.0	12 Dec 2013	2521196	15 Jun 2016	49684-GB-PAT[2]
US	15/103998	11 Dec 2014			49684-US-PCT
WO	PCT/US2014/069823	11 Dec 2014			49684-WO-PCT
CN	201180032841.5	07 Jan 2011			49685-CN-PCT
EP	11735826.7	01 Jul 2011			49685-EP-EPT
US	12/829157	01 Jul 2010	9558476	31 Jan 2017	49685-US-PAT
WO	PCT/EP2011/061161	01 Jul 2011			49685-WO-PCT
CA	2970310	10 Dec 2015			49686-CA-PCT
EP	15826219.6	10 Dec 2015			49686-EP-EPT
US	14/965748	10 Dec 2015			49686-US-PAT
US	62/101772	09 Jan 2015			49686-US-PRV
WO	PCT/US2015/65083	10 Dec 2015			49686-WO-PCT
US	62/091909	15 Dec 2014			49687-US-PRV
CN	201180024508.X	16 Mar 2011	201180024508.X	06 Jul 2016	49688-CN-PCT
EP	11756927.7	16 Mar 2011			49688-EP-EPT
US	13/865552	18 Apr 2013	9110915	18 Aug 2015	49688-US-CNT
US	13/049095	16 Mar 2011	8452739	28 May 2013	49688-US-PAT

CN	201280021581.6	02 May 2012	201280021581.6	20 Oct 2017	49689-CN-PCT
DE	12720376.8	02 May 2012	602012031597.0	26 Apr 2017	49689-DE-EPT
EP	12720376.8	02 May 2012	2705642	26 Apr 2017	49689-EP-EPT
FR	12720376.8	02 May 2012	2705642	26 Apr 2017	49689-FR-EPT
GB	12720376.8	02 May 2012	2705642	26 Apr 2017	49689-GB-EPT
US	13/101962	05 May 2011	9130935	08 Sep 2015	49689-US-PAT
WO	PCT/US2012/036175	02 May 2012			49689-WO-PCT
CN	201480028026.5	13 Mar 2014			49690-CN-PCT
EP	14785180.2	13 Mar 2014			49690-EP-EPT
HK	16104511.4	20 Apr 2016			49690-HK-FPR
US	14/852171	11 Sep 2015			49690-US-CNT
US	61/782511	14 Mar 2013			49690-US-PRV
WO	PCT/US2014/026728	13 Mar 2014			49690-WO-PCT
CA	2950766	29 Nov 2016			49691-CA-PCT
CN	201580038693.6	29 May 2015			49691-CN-PCT
EP	15799229.8	29 May 2015			49691-EP-EPT
US	15/315360	29 May 2015			49691-US-PCT
US	62/005725	30 May 2014			49691-US-PRV
WO	PCT/US2015/033334	29 May 2015			49691-WO-PCT
CN	201380038153.9	16 Jul 2013	201380038153.9	08 Aug 2017	49692-CN-PCT
DE	13820097.7	16 Jul 2013	2875442	06 Sep 2017	49692-DE-EPT
EP	13820097.7	16 Jul 2013	2875442	06 Sep 2017	49692-EP-EPT
FR	13820097.7	16 Jul 2013	2875442	06 Sep 2017	49692-FR-EPT
GB	13820097.7	16 Jul 2013	2875442	06 Sep 2017	49692-GB-EPT
NL	13820097.7	16 Jul 2013	2875442	06 Sep 2017	49692-NL-EPT
US	14/599310	16 Jan 2015	9667707	30 May 2017	49692-US-CIP
US	15/581130	28 Apr 2017			49692-US-CNT
US	61/672457	17 Jul 2012			49692-US-PRV
WO	PCT/US2013/050632	16 Jul 2013			49692-WO-PCT
CN	201180023657.4	14 Mar 2011	201180023657.4	06 Jul 2016	49693-CN-PCT
EP	11754244.9	14 Mar 2011			49693-EP-EPT



US	13/047273	14 Mar 2011	9135264	15 Sep 2015	49693-US-PAT
DE	13720811.2	10 Apr 2013	602013021967.2	07 Jun 2017	49694-DE-EPT
EP	13720811.2	10 Apr 2013	2836953	07 Jun 2017	49694-EP-EPT
FR	13720811.2	10 Apr 2013	2836953	07 Jun 2017	49694-FR-EPT
GB	13720811.2	10 Apr 2013	2836953	07 Jun 2017	49694-GB-EPT
US	13/838446	15 Mar 2013	9740884	22 Aug 2017	49694-US-PAT
US	61/622168	10 Apr 2012			49694-US-PRV
WO	PCT/EP2013/057502	10 Apr 2013			49694-WO-PCT
CA	2647737	02 Apr 2007			49695-CA-PCT
CN	201110151231.9	02 Apr 2007	102194008	06 May 2015	49695-CN-PCD
CN	200780018376.3	02 Apr 2007			49695-CN-PCT
EP	2007759947.0	02 Apr 2007			49695-EP-EPT
EP	12160229.6	02 Apr 2007			49695-EP-ETD
JP	2009-503332	02 Apr 2007			49695-JP-PCT
US	12/294708	02 Apr 2007	9489422	08 Nov 2016	49695-US-PCT
US	60/788006	31 Mar 2006			49695-US-PRV
WO	PCT/US2007/065772	02 Apr 2007			49695-WO-PCT
EP	10819226.1	07 Sep 2010			49696-EP-EPT
US	14/872647	01 Oct 2015	9544398	10 Jan 2017	49696-US-CNT
US	15/249656	29 Aug 2016			49697-US-CNT
CN	20138001113.5	27 Feb 2013			49698-CN-PCT
EP	13755600.7	27 Feb 2013			49698-EP-EPT
US	13/780283	28 Feb 2013	9319219	19 Apr 2016	49698-US-PAT
US	61/604919	29 Feb 2012			49698-US-PRV
WO	PCT/US2013/027962	27 Feb 2013			49698-WO-PCT
CA	2962576	23 Sep 2015			49699-CA-PCT
EP	15843553.7	23 Sep 2015			49699-EP-EPT
US	15/513666	23 Sep 2015			49699-US-PCT
US	62/055857	26 Sep 2014			49699-US-PRV
WO	PCT/US2015/051773	23 Sep 2015			49699-WO-PCT
CN	200480013537.6	19 Apr 2004	200480013537.6	18 Aug 2010	49700-CN-PCT



DE	04728203.3	19 Apr 2004	602004029244	22 Sep 2010	49700-DE-EPT
EP	04728203.3	19 Apr 2004	1618727	22 Sep 2010	49700-EP-EPT
FR	04728203.3	19 Apr 2004	1618727	22 Sep 2010	49700-FR-EPT
GB	04728203.3	19 Apr 2004	1618727	22 Sep 2010	49700-GB-EPT
GB	0308991.9	17 Apr 2003			49700-GB-PAT
GB	0408676.5	19 Apr 2004			49700-GB-PCT
JP	2006-506148	19 Apr 2004			49700-JP-PCT
US	10/553721	19 Apr 2004	7912896	22 Mar 2011	49700-US-PCT
WO	PCT/GB2004/001685	19 Apr 2004			49700-WO-PCT
CA	2341213	21 Aug 1998	2341213	26 May 2009	49701-CA-PCT
CN	98814246.5	21 Aug 1998	1227858	16 Nov 2005	49701-CN-PCT
EP	15765429.4	18 Mar 2015			49890-EP-EPT
US	61/968907	21 Mar 2014			49890-US-PRV
WO	PCT/US2015/021308	18 Mar 2015			49890-WO-PCT
CN	201480019083.7	28 Jan 2014			49891-CN-PCT
EP	14746695.7	28 Jan 2014			49891-EP-EPT
HK	16103756.0	01 Apr 2016			49891-HK-FPR
US	14/812756	29 Jul 2015	9807075	31 Oct 2017	49891-US-CNT
US	61/758010	29 Jan 2013			49891-US-PRV
WO	PCT/US2014/013457	28 Jan 2014			49891-WO-PCT
DE	05773570.6	19 Jul 2005	602005016696.3	16 Sep 2009	49893-DE-EPT
FR	05773570.6	19 Jul 2005	1786821	16 Sep 2009	49893-FR-EPT
GB	05773570.6	19 Jul 2005	1786821	16 Sep 2009	49893-GB-EPT
CN	200980155547.6	18 Dec 2009	200980155547.6	08 Jul 2015	49894-CN-PCT
EP	09837974.6	18 Dec 2009			49894-EP-EPT
HK	12106045.8	20 Jun 2012	1165573	03 Jun 2016	49894-HK-FPR
IN	2995/KOLNP/2011	18 Dec 2009			49894-IN-PCT
JP	2011-542475	18 Dec 2009	5468620	07 Feb 2014	49894-JP-PCT
US	12/642033	18 Dec 2009	8589455	19 Nov 2013	49894-US-PAT
US	12/642023	18 Dec 2009	7925683	12 Apr 2011	49894-US-PAT[2]
EP	15721500.5	28 Apr 2015			49896-EP-EPT



US	14/264276	29 Apr 2014	9645861	09 May 2017	49896-US-PAT
WO	PCT/US2015/028085	28 Apr 2015			49896-WO-PCT
EP	14812049.6	17 Nov 2014			49897-EP-EPT
US	15/036998	17 Nov 2014			49897-US-PCT
US	61/905127	15 Nov 2013			49897-US-PRV
WO	PCT/US2014/065977	17 Nov 2014			49897-WO-PCT
US	13/105478	11 May 2011	9158650	13 Oct 2015	49898-US-PAT
CA	2962573	23 Sep 2015			49899-CA-PCT
EP	15779088.2	23 Sep 2015			49899-EP-EPT
US	15/513714	23 Sep 2015			49899-US-PCT
US	62/055116	25 Sep 2014			49899-US-PRV
WO	PCT/US2015/051770	23 Sep 2015			49899-WO-PCT
US	11/642363	18 Dec 2006	9258405	09 Feb 2016	49900-US-PAT
CA	2963190	05 Apr 2017			50021-CA-PAT
CN	201710222397.2	06 Apr 2017			50021-CN-PAT
EP	17163976.8	30 Mar 2017			50021-EP-EPA
US	15/093183	07 Apr 2016			50021-US-PAT