

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5283108

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HGST TECHNOLOGIES SANTA ANA, INC.	04/10/2018
RECEIVING PARTY DATA	
Name:	WESTERN DIGITAL TECHNOLOGIES, INC.
Street Address:	5601 GREAT OAKS PARKWAY
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95119
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16216904
CORRESPONDENCE DATA	
Fax Number:	(714)830-0700
<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:	714-830-0600
Email:	lori.tillman@morganlewis.com, WDMLProsecution@morganlewis.com
Correspondent Name:	MORGAN, LEWIS & BOCKIUS LLP
Address Line 1:	600 ANTON BOULEVARD
Address Line 2:	SUITE 1800
Address Line 4:	COSTA MESA, CALIFORNIA 92626-7653
ATTORNEY DOCKET NUMBER:	122203-5814
NAME OF SUBMITTER:	SOYEON PAK (KAREN) LAUB, REG. # 39,266
SIGNATURE:	/Soyeon Pak (Karen) Laub/
DATE SIGNED:	12/13/2018
Total Attachments: 8	
source=122203-5814_WD_Assignment#page1.tif	
source=122203-5814_WD_Assignment#page2.tif	
source=122203-5814_WD_Assignment#page3.tif	
source=122203-5814_WD_Assignment#page4.tif	
source=122203-5814_WD_Assignment#page5.tif	

source=122203-5814_WD_Assignment#page6.tif

source=122203-5814_WD_Assignment#page7.tif

source=122203-5814_WD_Assignment#page8.tif

ASSIGNMENT

WHEREAS, **HGST Technologies Santa Ana, Inc.** ("Assignor"), a California corporation, having an address at 3355 Michelson Drive, Suite 100, Irvine, California 92612 U.S.A., is desirous of assigning all patents, patent applications and inventions that Assignor owns, including the patents, patent applications and inventions listed in the attached Patent Schedules I and II (collectively, the "Patents"); and

WHEREAS, **Western Digital Technologies, Inc.** ("Assignee"), a Delaware corporation, having an address at 5601 Great Oaks Parkway, San Jose, California 95119 U.S.A., is desirous of acquiring the entire rights, title and interests in and to the Patents.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, this assignment is hereby entered into as follows:

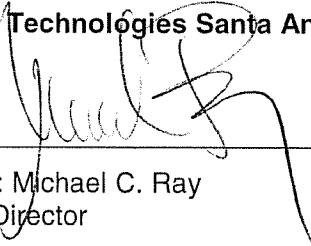
Assignor agrees to and does hereby assign, transfer and grant to Assignee, its legal representatives, successors, and assigns, the entire rights, title and interests in and to the Patents worldwide whether existed in the past, exist now or come into existence later, including all United States ("U.S."), non-U.S. and regional patents and patent applications worldwide (i) that claim priority, directly or indirectly, from any of the Patents, (ii) from which any of the Patents claims priority, directly or indirectly, or (iii) that claim any common priority, directly or indirectly, with any of the Patents, including all inventions in any of the foregoing, including all applications, international applications, regional applications, national applications, national stage applications, provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, substitutes, reexaminations, inter partes review applications, post grant review applications, covered business method applications, reissues, and extensions of any of the foregoing, including all patents, registrations, certificates, governmental grants, and renewals of any of the foregoing, including all rights to claim priority, file applications, and obtain grants, renewals and extensions in connection with any of the foregoing, including all rights to assert, defend and recover title in connection with any of the foregoing, and including all rights to sue and recover for any past, present and future infringement, misappropriation, violation, damages, lost profits, royalties, and payments in connection with any of the foregoing, in each case, as may have existed in the past, exist now or come into existence in the future throughout the world. Assignee accepts all of such rights, title and interests assigned herein.

Assignor does hereby agree with said assignee that Assignor will, without further or additional consideration, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect said assignee's enjoyment of this assignment or to carry out the purposes of this assignment. The words "include" and "including," and variations thereof, will not be deemed to be terms of limitation, but rather will be deemed to be followed by the word "without limitation."

Assignor authorizes and requests all Letters Patent and certificates based on any of the Patents (including the foregoing patents, patent applications, and inventions) to be issued to Assignee, its legal representatives, successors, and assigns, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, Assignor has executed this assignment as of the date written below.

HGST Technologies Santa Ana, Inc.

By 
Name: Michael C. Ray
Title: Director

Date 4/10/18

Patent Schedule

(Attached)

Patent Schedule I

Jurisdiction	Application No.	Filing Date	Patent No. (if applicable)	Issue Date (if applicable)	Publication No. (if applicable)	Publication Date (if applicable)
TW	99104472	Feb 11, 2010	1428922	Mar 1, 2014	201106371	Feb 16, 2011
TW	102147779	Feb 11, 2010	1529738	Apr 11, 2016	201419300	May 16, 2014
US	08/408,552	Mar 21, 1995	5,514,907	May 7, 1996		
US	08/510,376	Aug 2, 1995	5,555,209	Sep 10, 1996		
US	09/063,513	Apr 21, 1998	6,154,788	Nov 28, 2000		
US	09/064,348	Apr 22, 1998	RE36,916	Oct 17, 2000		
US	09/501,189	Feb 10, 2000	6,757,291	Jun 29, 2004		
US	09/631,849	Aug 3, 2000	6,535,518	Mar 18, 2003		
US	09/702,276	Oct 30, 2000	6,442,625	Aug 27, 2002		
US	10/032,149	Dec 20, 2001			2002-0091965	Jul 11, 2002
US	10/032,332	Dec 20, 2001	7,107,480	Sep 12, 2006		
US	10/063,278	Apr 8, 2002	7,035,993	Apr 25, 2006	2003-0135688	Jul 17, 2003
US	10/127,343	Apr 19, 2002	6,762,487	Jul 13, 2004	2002-0163786	Nov 7, 2002
US	10/157,749	May 28, 2002			2003-0040166	Feb 27, 2003
US	10/172,853	Jun 13, 2002			2002-0154645	Oct 24, 2002
US	10/211,947	Aug 2, 2002	6,728,794	Apr 27, 2004	2003-0046455	Mar 6, 2003
US	10/448,881	May 30, 2003			2004-0042323	Mar 4, 2004
US	10/793,826	Mar 8, 2004	6,981,071	Dec 27, 2005	2004-0199675	Oct 7, 2004
US	10/853,865	May 25, 2004	7,057,270	Jun 6, 2006	2004-0212071	Oct 28, 2004
US	10/863,210	Jun 9, 2004	7,194,596	May 20, 2007	2005-0278479	Dec 15, 2005
US	10/912,114	Aug 6, 2004	7,020,019	Mar 28, 2006	2005-0259469	Nov 24, 2005
US	10/943,483	Sep 17, 2004	8,065,492	Nov 22, 2011	2005-0044454	Feb 24, 2005
US	11/012,197	Dec 16, 2004			2006-0136658	Jun 22, 2006
US	11/259,539	Oct 25, 2005	8,065,475	Nov 22, 2011	2006-0259678	Nov 16, 2006
US	11/332,197	Jan 17, 2006	7,180,777	Feb 20, 2007	2006-0133178	Jun 22, 2006
US	11/352,654	Feb 13, 2006	7,743,277	Jun 22, 2010	2006-0181948	Aug 17, 2006
US	11/358,043	Feb 22, 2006	7,376,034	May 20, 2008	2007-0140020	Jun 21, 2007
US	11/358,673	Feb 21, 2006	7,904,636	Mar 8, 2011	2006-143426	Jun 29, 2006
US	11/404,464	Apr 13, 2006			2006-0255444	Nov 16, 2006
US	11/436,845	May 18, 2006	8,245,000	Aug 14, 2012	2006-0265605	Nov 23, 2006
US	11/493,958	Jul 26, 2006	7,269,755	Sep 11, 2007	2007-0006013	Jan 4, 2007
US	11/494,986	Jul 28, 2006	7,409,590	Sep 5, 2008	2006-0265624	Nov 23, 2006
US	11/520,014	Sep 13, 2006	8,464,073	Jun 11, 2013	2008-0065905	Mar 13, 2008
US	11/527,040	Sep 26, 2006			2007-0226452	Sep 27, 2007
US	11/582,462	Oct 18, 2006	7,594,067	Sep 22, 2009	2007-0094440	Apr 26, 2007
US	11/582,783	Oct 17, 2006	7,450,436	Nov 11, 2008	2007-0091697	Apr 26, 2007
US	11/644,687	Dec 23, 2006				
US	11/644,688	Dec 23, 2006				
US	11/644,689	Dec 23, 2006			2009-0043776	Feb 12, 2009
US	11/644,691	Dec 23, 2006			2008-0155051	Jun 26, 2008
US	11/978,176	Oct 26, 2007	7,765,339	Jul 27, 2010	2008-0140945	Jun 12, 2008
US	11/978,177	Oct 26, 2007	7,958,280	Jun 7, 2011	2008-0140883	Jun 12, 2008

Jurisdiction	Application No.	Filing Date	Patent No. (if applicable)	Issue Date (if applicable)	Publication No. (if applicable)	Publication Date (if applicable)
US	11/978,215	Oct 26, 2007	7,822,887	Oct 26, 2010	2008-0140919	Jun 12, 2008
US	12/122,637	May 16, 2008	7,619,941	Nov 17, 2009	2008-0253199	Oct 16, 2008
US	12/129,634	May 29, 2008			2008-0228895	Sep 18, 2008
US	12/141,002	Jun 17, 2008	7,711,892	May 4, 2010	2008-0250223	Oct 9, 2008
US	12/141,004	Jun 17, 2008	7,814,265	Oct 12, 2010	2008-0288717	Nov 20, 2008
US	12/286,763	Oct 1, 2008	8,000,153	Aug 16, 2011	2009-0046513	Feb 19, 2009
US	12/335,501	Dec 15, 2008			2009-0124129	May 14, 2009
US	12/343,378	Dec 23, 2008	8,843,691	Sep 23, 2014	2012-0239851	Sep 20, 2012
US	12/369,027	Feb 11, 2009	7,830,732	Nov 9, 2010	2010-0202239	Aug 12, 2010
US	12/369,032	Feb 11, 2009			2010-0205349	Aug 12, 2010
US	12/369,040	Feb 11, 2009	7,990,797	Aug 2, 2011	2010-0202237	Aug 12, 2010
US	12/369,046	Feb 11, 2009	8,977,831	Mar 10, 2015	2010-0205348	Aug 12, 2010
US	12/369,052	Feb 11, 2009	8,566,639	Oct 22, 2013	2010-0205470	Aug 12, 2010
US	12/369,076	Feb 11, 2009	7,983,107	Jul 19, 2011	2010-0202237	Aug 12, 2010
US	12/369,079	Feb 11, 2009	8,169,839	May 1, 2012	2010-0202238	Aug 12, 2010
US	12/384,908	Apr 11, 2009	7,903,474	Mar 8, 2011	2009-0204749	Aug 13, 2009
US	12/384,932	Apr 11, 2009	7,929,354	Apr 19, 2011	2009-0201734	Aug 13, 2009
US	12/384,933	Apr 11, 2009			2009-0201732	Aug 13, 2009
US	12/464,856	May 12, 2009			2009-0327804	Dec 31, 2009
US	12/492,103	Jun 25, 2009	8,572,308	Oct 29, 2013	2010-0042901	Feb 18, 2010
US	12/492,104	Jun 25, 2009	9,311,006	Apr 12, 2016	2009-0327589	Dec 31, 2009
US	12/492,107	Jun 25, 2009	8,347,138	Jan 1, 2013	2009-0327840	Dec 31, 2009
US	12/492,109	Jun 25, 2009	9,043,531	May 26, 2015	2012-0239852	Sep 20, 2012
US	12/492,110	Jun 25, 2009			2012-0239853	Sep 20, 2012
US	12/492,112	Jun 25, 2009	8,762,622	Jun 24, 2014	2009-0327590	Dec 31, 2009
US	12/492,113	Jun 25, 2009	8,825,941	Sep 2, 2014	2009-0327591	Dec 31, 2009
US	12/508,528	Jul 23, 2009	8,275,981	Sep 25, 2012	2011-0022829	Jan 27, 2011
US	12/508,531	Jul 23, 2009	9,342,445	May 17, 2016	2011-0022777	Jan 27, 2011
US	12/508,538	Jul 23, 2009	8,144,515	Mar 27, 2012	2011-0019475	Jan 27, 2011
US	12/509,404	Jul 24, 2009			2011-0022782	Jan 27, 2011
US	12/509,405	Jul 24, 2009			2011-0022783	Jan 27, 2011
US	12/511,989	Jul 29, 2009			2011-0029716	Feb 3, 2011
US	12/511,990	Jul 29, 2009	8,228,753	Jul 24, 2012	2011-0026328	Feb 3, 2011
US	12/511,991	Jul 29, 2009	8,510,497	Aug 13, 2013	2011-0029717	Feb 3, 2011
US	12/511,994	Jul 29, 2009	8,266,481	Sep 11, 2012	2011-0029808	Feb 3, 2011
US	12/542,626	Aug 17, 2009	7,962,687	Jun 14, 2011	2009-0300276	Dec 3, 2009
US	12/574,235	Oct 6, 2009	7,894,288	Feb 22, 2011	2010-0023714	Jan 28, 2010
US	12/779,001	May 12, 2010	8,719,652	May 6, 2014	2012-0239990	Sep 20, 2012
US	12/779,003	May 12, 2010	8,806,144	Aug 12, 2014	2012-0239854	Sep 20, 2012
US	12/828,175	Jun 30, 2010	8,344,518	Jan 1, 2013	2010-0327436	Dec 30, 2010
US	12/842,919	Jul 23, 2010	8,370,544	Feb 5, 2013	2012-0260009	Oct 11, 2012
US	12/842,930	Jul 23, 2010	8,514,565	Aug 20, 2013	2012-0236489	Sep 20, 2012
US	12/842,950	Jul 23, 2010	8,566,511	Oct 22, 2013	2012-0239855	Sep 20, 2012
US	13/044,464	Mar 9, 2011	8,819,503	Aug 26, 2014	2012-0239991	Sep 20, 2012
US	13/076,340	Mar 30, 2011	8,737,136	May 27, 2014	2012-0236656	Sep 20, 2012

Jurisdiction	Application No.	Filing Date	Patent No. (if applicable)	Issue Date (if applicable)	Publication No. (if applicable)	Publication Date (if applicable)
US	13/118,137	May 27, 2011	8,656,263	Feb 18, 2014	2012-0240006	Sep 20, 2012
US	13/176,727	Jul 5, 2011	8,605,501	Dec 10, 2013	2012-0236651	Sep 20, 2012
US	13/177,482	Jul 6, 2011	8,656,256	Feb 18, 2014	2012-0240012	Sep 20, 2012
US	13/177,518	Jul 6, 2011	8,737,141	May 27, 2014	2012-0239858	Sep 20, 2012
US	13/179,466	Jul 8, 2011	8,644,099	Feb 4, 2014	2012-0239976	Sep 20, 2012
US	13/253,029	Oct 4, 2011	8,848,438	Sep 30, 2014	2012-0236641	Sep 20, 2012
US	13/277,876	Oct 20, 2011			2012-0240007	Sep 20, 2012
US	13/289,966	Nov 4, 2011	8,437,190	May 7, 2013	2012-0236643	Sep 20, 2012
US	13/303,870	Nov 23, 2011			2012-0137054	May 31, 2012
US	13/343,684	Jan 4, 2012	8,566,667	Oct 22, 2013	2013-0031438	Jan 31, 2013
US	13/365,232	Feb 2, 2012	8,364,888	Jan 29, 2013	2012-0254515	Oct 4, 2012
US	13/407,095	Feb 28, 2012	8,271,723	Sep 18, 2012	2012-0226851	Sep 6, 2012
US	13/420,849	Mar 15, 2012	8,379,457	Feb 19, 2013		
US	13/420,970	Mar 15, 2012	9,543,035	Jan 10, 2017	2013-0124931	
US	13/441,049	Apr 6, 2012			2012-0198136	Aug 2, 2012
US	13/475,668	May 18, 2012	8,402,206	Mar 19, 2013	2012-0297125	Nov 22, 2012
US	13/482,865	May 29, 2012	8,612,719	Dec 17, 2013	2013-0024644	Jan 24, 2013
US	13/525,009	Jun 15, 2012	8,527,849	Sep 3, 2013	2013-0047052	Feb 21, 2013
US	13/526,446	Jun 18, 2012	8,347,200	Jan 1, 2013		
US	13/530,026	Jun 21, 2012	9,087,599	Jul 21, 2015	2012-0257454	Oct 11, 2012
US	13/532,718	Jun 25, 2012	9,377,960	Jun 28, 2016	2012-0324150	Dec 20, 2012
US	13/553,707	Jul 19, 2012	8,484,519	Jul 9, 2013	2013-0047044	Feb 21, 2013
US	13/555,050	Jul 20, 2012	8,677,092	Mar 18, 2014	2012-0290776	Nov 15, 2012
US	13/555,052	Jul 20, 2012	8,850,150	Sep 30, 2014	2012-0290777	Nov 15, 2012
US	13/559,535	Jul 26, 2012			2013-0031301	Jan 31, 2013
US	13/584,698	Aug 13, 2012			2013-0047045	Feb 21, 2013
US	13/588,664	Aug 17, 2012			2013-0054880	Feb 28, 2013
US	13/590,123	Aug 20, 2012			2012-0317406	Dec 13, 2012
US	13/597,158	Aug 28, 2012	8,453,021	May 28, 2013	2012-0324299	Dec 20, 2012
US	13/611,577	Sep 12, 2012	8,635,399	Jan 21, 2014	2013-0097365	Apr 18, 2013
US	13/628,426	Sep 27, 2012			2013-0097433	Apr 18, 2013
US	13/631,463	Sep 28, 2012	8,560,775	Oct 15, 2013		
US	13/662,183	Oct 26, 2012	9,069,587	Jun 30, 2015	2013-0111474	May 2, 2013
US	13/662,200	Oct 26, 2012	8,612,402	Dec 17, 2013		
US	13/664,335	Oct 30, 2012	9,081,663	Jul 14, 2015	2013-0132647	May 23, 2013
US	13/677,791	Nov 15, 2012	8,806,174	Aug 12, 2014	2013-0159629	Jun 20, 2013
US	13/678,416	Nov 15, 2012	8,762,798	Jun 24, 2014	2013-0124945	May 16, 2013
US	13/689,074	Nov 29, 2012	9,218,257	Dec 22, 2015	2013-0318391	Nov 28, 2013
US	13/689,112	Nov 29, 2012			2013-0179480	Jul 11, 2013
US	13/714,590	Dec 14, 2012	8,994,133	Mar 31, 2015	2013-0191581	Jul 25, 2013
US	13/719,184	Dec 18, 2012	8,473,672	Jun 25, 2013	2013-0111118	May 2, 2013
US	13/720,849	Dec 19, 2012	8,686,572	Apr 1, 2014	2013-0107468	May 2, 2013
US	13/723,111	Dec 20, 2012			2013-0166795	Jun 27, 2013
US	13/725,689	Dec 21, 2012	8,493,791	Jul 23, 2013	2013-0163327	Jun 27, 2013
US	13/725,943	Dec 21, 2012	9,117,529	Aug 25, 2015	2013-0163328	Jun 27, 2013

Juris dicti on	Application No.	Filing Date	Patent No. (if applicable)	Issue Date (if applicable)	Publication No. (if applicable)	Publication Date (if applicable)
US	13/728,944	Dec 27, 2012	8,484,547	Jul 9, 2013	2013-0117625	May 9, 2013
US	13/733,835	Jan 3, 2013			2013-0124792	May 16, 2013
US	13/741,119	Jan 14, 2013	9,082,489	Jul 14, 2015	2013-0182506	Jul 18, 2013
US	13/752,823	Jan 29, 2013	8,767,471	Jul 1, 2014	2013-0194873	Aug 1, 2013
US	13/754,837	Jan 30, 2013	8,677,035	Mar 18, 2014	2013-0145059	Jun 6, 2013
US	13/762,524	Feb 8, 2013	8,578,085	Nov 5, 2013	2013-0159611	Jun 20, 2013
US	13/764,649	Feb 11, 2013	8,954,820	Feb 10, 2015	2013-0212451	Aug 15, 2013
US	13/775,070	Feb 22, 2013	9,047,955	Jun 2, 2015	2013-0176784	Jul 11, 2013
US	13/776,590	Feb 25, 2013	9,195,586	Nov 24, 2015	2013-0227200	Aug 29, 2013
US	13/842,101	Mar 15, 2013	9,223,373	Dec 29, 2015	2013-0254562	Sep 26, 2013
US	13/843,218	Mar 15, 2013	9,378,132	Jun 28, 2016	2013-0254467	Sep 26, 2013
US	13/843,225	Mar 15, 2013	9,136,011	Sep 15, 2015	2013-0290612	Oct 31, 2013
US	13/853,989	Mar 29, 2013	8,713,381	Apr 29, 2014	2013-0227362	Aug 29, 2013
US	13/866,337	Apr 19, 2013			2013-0304970	Nov 14, 2013
US	13/873,183	Apr 29, 2013	8,681,552	Mar 25, 2014	2013-0242658	Sep 19, 2013
US	13/899,447	May 21, 2013	9,135,106	Sep 15, 2015	2013-0318422	Nov 28, 2013
US	13/925,789	Jun 24, 2013			2013-0304974	Nov 14, 2013
US	14/252,746	Apr 14, 2014	9,389,938	Jul 12, 2016	2014-0229774	Aug 14, 2014
US	14/257,978	Apr 21, 2014	9,098,416	Aug 4, 2015	2014-0223244	Aug 7, 2014
US	14/286,924	May 23, 2014				
US	14/313,971	Jun 24, 2014	9,343,170	May 17, 2016	2015-0371714	Dec 24, 2016
US	14/456,581	Aug 11, 2014	9,122,620	Sep 1, 2015	2014-0351522	Nov 27, 2014
US	14/457,077	Aug 11, 2014	9,223,702	Dec 29, 2015	2014-0351498	Nov 27, 2014
US	14/500,904	Sep 29, 2014	9,047,984	Jun 2, 2015	2015-0016187	Jan 15, 2015
US	14/607,039	Jan 27, 2015	9,319,069	Apr 19, 2016	2015-0143194	May 21, 2015
US	14/624,255	Feb 17, 2015	9,520,191	Dec 13, 2016	2015-0248935	Sep 3, 2015
US	14/657,780	Mar 13, 2015	9,379,073	Jun 28, 2016	2015-0187712	Jul 2, 2015
US	14/720,697	May 22, 2015	9,411,522	Aug 9, 2016	2015-0254005	Sep 10, 2015
US	14/722,873	May 27, 2015			2015-0254185	Sep 10, 2015
US	14/724,770	May 28, 2015	9,305,640	Apr 5, 2016	2015-0262660	Sep 17, 2015
US	14/724,773	May 28, 2015	9,224,456	Dec 29, 2015	2015-0262659	Sep 17, 2015
US	14/788,658	Jun 30, 2015			2015-0302930	Oct 22, 2015
US	14/794,741	Jul 8, 2015	9,514,823	Dec 6, 2016	2015-0310921	Oct 29, 2015
US	14/798,400	Jul 13, 2015			2015-0317247	Nov 5, 2015
US	14/834,410	Aug 24, 2015			2015-0364202	Dec 17, 2015
US	14/841,635	Aug 31, 2015	9,378,214	Jun 28, 2016	2015-0370822	Dec 24, 2015
US	14/853,941	Sep 14, 2015	9,881,670	Jan 30, 2018	2016-0005460	Jan 7, 2016
US	14/948,229	Nov 20, 2015	9,377,962	Jun 28, 2016	2016-0077753	17-Mar-16
US	14/976,518	Dec 21, 2015			2016-0110251	Apr 21, 2016
US	15/132,143	Apr 18, 2016			2016-0233894	Aug 11, 2016
US	15/156,267	May 16, 2016			2016-0335206	Nov 17, 2016
US	15/207,414	Jul 11, 2017			2017-0010836	Jan 12, 2017
US	15/882,937	Jan 29, 2018				
US	60/045,105	Apr 25, 1997				
US	60/257,648	Dec 22, 2000				

Juris dicti on	Application No.	Filing Date	Patent No. (if applicable)	Issue Date (if applicable)	Publication No. (if applicable)	Publication Date (if applicable)
US	60/257,760	Dec 22, 2000				
US	60/259,597	Dec 22, 2000				
US	60/285,089	Apr 19, 2001				
US	60/293,766	May 25, 2001				
US	60/294,389	May 29, 2001				
US	60/384,885	May 31, 2002				
US	60/573,281	May 21, 2004				
US	60/652,960	Feb 14, 2005				
US	60/680,257	May 11, 2005				
US	60/683,068	May 20, 2005				
US	60/697,330	Jul 6, 2005				
US	60/727,716	Oct 17, 2005				
US	60/728,856	Oct 20, 2005				
US	60/750,866	Dec 15, 2005				
US	60/854,940	Oct 27, 2006				
US	61/075,709	Jun 25, 2008				
US	61/177,601	May 12, 2009				
US	61/228,130	Jul 23, 2009				
US	61/228,132	Jul 23, 2009				
US	61/228,134	Jul 23, 2009				
US	61/349,701	May 28, 2010				
US	61/351,806	Jun 4, 2010				
US	61/361,288	Jul 2, 2010				
US	61/361,891	Jul 6, 2010				
US	61/362,263	Jul 7, 2010				
US	61/362,272	Jul 7, 2010				
US	61/363,157	Jul 9, 2010				
US	61/363,975	Jul 13, 2010				
US	61/390,100	Oct 5, 2010				
US	61/405,156	Oct 20, 2010				
US	61/416,880	Nov 24, 2010				
US	61/439,296	Feb 3, 2011				
US	61/449,506	Mar 4, 2011				
US	61/510,319	Jul 21, 2011				
US	61/513,480	Jul 29, 2011				
US	61/513,485	Jul 29, 2011				
US	61/513,486	Jul 29, 2011				
US	61/525,430	Aug 19, 2011				
US	61/525,437	Aug 19, 2011				
US	61/525,705	Aug 19, 2011				
US	61/527,913	Aug 26, 2011				
US	61/548,313	Oct 18, 2011				
US	61/548,459	Oct 18, 2011				
US	61/553,619	Oct 31, 2011				
US	61/559,804	Nov 15, 2011				

Jurisdiction	Application No.	Filing Date	Patent No. (if applicable)	Issue Date (if applicable)	Publication No. (if applicable)	Publication Date (if applicable)
US	61/560,762	Nov 16, 2011				
US	61/561,663	Nov 18, 2011				
US	61/576,666	Dec 16, 2011				
US	61/577,913	Dec 20, 2011				
US	61/580,113	Dec 23, 2011				
US	61/580,140	Dec 23, 2011				
US	61/580,142	Dec 23, 2011				
US	61/583,466	Jan 5, 2012				
US	61/586,652	Jan 13, 2012				
US	61/590,893	Jan 26, 2012				
US	61/597,690	Feb 10, 2012				
US	61/602,552	Feb 23, 2012				
US	61/613,916	Mar 21, 2012				
US	61/614,454	Mar 22, 2012				
US	61/636,128	Apr 20, 2012				
US	61/639,040	Apr 26, 2012				
US	61/650,419	May 22, 2012				
US	61/651,468	May 24, 2012				
US	61/719,915	Oct 29, 2012				
US	61/816,673	Apr 26, 2013				
WO	US2001/000688	Feb 9, 2001			WO2001/059967	Aug 16, 2001
WO	US2003/016895	May 30, 2003			WO2003/102752	Dec 11, 2003