

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6857642

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ASM AMERICA, INC.	12/15/2020
RECEIVING PARTY DATA		
Name:	ASM IP HOLDING B.V.	
Street Address:	VERSTERKERSTRAAT 8	
City:	ALMERE	
State/Country:	NETHERLANDS	
Postal Code:	1322 AP	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	17395240
CORRESPONDENCE DATA		
Fax Number:	(949)760-9502	
<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:	949-760-0404	
Email:	efiling@knobbe.com	
Correspondent Name:	KNOBBE MARTENS OLSON & BEAR LLP	
Address Line 1:	2040 MAIN STREET	
Address Line 2:	14TH FLOOR	
Address Line 4:	IRVINE, CALIFORNIA 92614	
ATTORNEY DOCKET NUMBER:	ASMEX.755D1	
NAME OF SUBMITTER:	BRYAN J. JOHNSON	
SIGNATURE:	/Bryan Johnson/	
DATE SIGNED:	08/10/2021	
Total Attachments: 16		
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ASSIGNMENT

WHEREAS, **ASM America, Inc.**, a Delaware Corporation, organized and existing under the laws of that state, and having and having a place of business at **3440 East University Drive, Phoenix, Arizona 85034-7200** (hereinafter "ASSIGNOR"), represents and warrants that it has legal title to certain intellectual property rights and equivalent or similar forms of protection existing anywhere in the world, including but not limited to patents and patent applications, know-how, confidential information, copyright and related rights, database rights, trademarks, trade dress and designs, and including all applications and rights to apply for such rights (hereinafter "the Intellectual Property Rights"), including certain patents and patent applications made by ASSIGNOR (hereinafter "the Patents/Applications"). The Patents/Applications include but are not limited to the issued patents and patent applications listed on Schedule A attached to this document. ASSIGNOR intends to transfer ownership of the Intellectual Property Rights, including the Patents/Applications, to ASM IP Holding B.V.

AND WHEREAS, **ASM IP Holding B.V.**, a corporation organized and existing under the laws of the Netherlands and having an address at **Versterkerstraat 8, Almere, 1322 AP, The Netherlands** (hereinafter the "ASSIGNEE"), desires to acquire or confirm ownership of the entire right, title, and interest in and to the Intellectual Property Rights, including the Patents/Applications.

AND WHEREAS, **ASSIGNOR** and **ASSIGNEE** have certain rights in the Intellectual Property Rights, including the Patents/Applications, by virtue of the following legal instruments entered into between the ASSIGNOR and ASSIGNEE:

1. **EXCLUSIVE IP LICENSE AGREEMENT**, effective December 30, 2011, granting an exclusive worldwide license to ASSIGNEE use, exploit and sublicense all intellectual property rights and equivalent or similar forms of protection existing anywhere in the world (whether currently or at any time in the future) owned by ASSIGNOR, including but not limited to the Patents/Applications, and by which ASSIGNEE became the beneficial owner and ASSIGNOR remained the legal owner of the Intellectual Property Rights, including the Patents/Applications, with certain rights and responsibilities; and
2. **IP LICENSE AGREEMENT**, effective January 1, 2012, granting ASSIGNOR a non-exclusive worldwide license in all intellectual property rights and equivalent or similar forms of protection existing anywhere in the world (whether currently or at any time in the future) owned by or (exclusively) licensed to ASSIGNEE, including but not limited to the Patents/Applications, with a limited right to sublicense.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred, and set over, and by these presents does hereby sell, assign, transfer, and set over, unto said ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest throughout the world in and to the Intellectual Property Rights, including but not limited to the Patents/Applications and all provisional applications relating to any of the Patents/Applications; all nonprovisional applications claiming priority to aforementioned provisionals and/or any of the Patents/Applications, including, all divisions, continuations, continuations-in-part, and reissues thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues, and extensions thereof; all rights of priority under International Conventions and any related Letters Patent which may have been granted or may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals, and reissues thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives, and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the Intellectual Property Rights hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the Patents/Applications before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will: communicate to said ASSIGNEE, its successors, legal representatives, and assigns any facts known to ASSIGNOR respecting the Intellectual Property Rights, including but not limited to the Patents/Applications; testify in any legal proceeding; assist in the preparation of any applications relating to the Intellectual Property Rights, including but not limited to other provisional or non-provisional applications relating to the Patents/Applications or any improvements made thereto; sign/execute all lawful papers; authorize the filing of, execute, and make all rightful oaths and/or declarations in connection with the Intellectual Property Rights, including but not limited to the Patents/Applications, and including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications; and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the Intellectual Property Rights in all countries.

IN TESTIMONY WHEREOF, I, the undersigned, who am authorized to sign assignment documents on behalf of ASM America, Inc. hereunto set my hand and seal.

ASSIGNOR (Conveying Party)

ASM America, Inc.

By:
(signature) _____

Name: _____

Title: _____

Date: _____

IN TESTIMONY WHEREOF, I, the undersigned, who am authorized to sign assignment documents on behalf of ASM IP Holding B.V., hereunto set my hand and seal.

ASSIGNEE (Receiving Party)

ASM IP Holding B.V.

By:
(signature) _____

Name: _____

Title: _____

Date: _____

SCHEDULE A

Patent No.	Issue Date	Date Filed	Serial No.	Atty Docket No.	Country
6,465,761	October 15, 2002	July 23, 2001	09/911,212	ASMEX.261A	US
6,521,503	February 18, 2003	April 23, 2001	09/840,532	ASMEX.270A	US
6,704,496	March 9, 2004	November 8, 2002	10/291,897	AMEX.270DV1	US
7,231,141	June 12, 2007	September 3, 2003	10/654,068	ASMEX.270DV1C1	US
6,394,440	May 28, 2002	July 24, 2000	09/624,127	ASMEX.232A	US
6,585,478	July 1, 2003	November 7, 2000	09/709,782	ASMEX.234A	US
7,168,911	January 30, 2007	May 13, 2003	10/437,207	ASMEX.234C1	US
6,609,869	August 26, 2003	January 4, 2001	09/754,571	ASMEX.235A	US
6,596,973	July 22, 2003	March 7, 2002	10/096,138	ASMEX.273A	US
6,924,463	August 2, 2005	June 11, 2003	10/459,835	ASMEX.273C1	US
6,613,695	September 2, 2003	August 31, 2001	09/944,734	ASMEX.284A	US
7,056,835	June 6, 2006	July 24, 2003	10/626,212	ASMEX.284C1	US
7,476,627	January 13, 2009	May 9, 2006	11/431,037	ASMEX.284C1C1	US
6,958,277	October 25, 2005	July 24, 2003	10/626,217	ASMEX.284DV1	US
6,592,318	July 15, 2003	July 13, 2001	09/905,578	ASMEX.285A	US
6,620,743	September 16, 2003	March 26, 2001	09/817,770	ASMEX.250A	US
6,634,882	October 21, 2003	December 22, 2000	09/747,173	ASMEX.283A	US
6,729,875	May 4, 2004	June 4, 2003	10/455267	ASMEX.283DV1	US
6,840,767	January 11, 2005	December 22, 2003	10/744,848	ASMEX.283DV1DV1	US
6,696,367	February 24, 2004	September 27, 2002	10/260,821	ASMEX.358A	US
6,950,774	September 27, 2005	January 16, 2003	10/347,779	ASMEX.364A	US
6,709,267	March 23, 2004	December 27, 2002	10/331,444	ASMEX.399A	US
6,716,751	April 6, 2004	February 11, 2002	10/074,149	ASMEX.293A	US
6,720,531	April 13, 2004	December 11, 2002	10/317,267	ASMEX.251A	US
6,743,738	June 1, 2004	November 13, 2002	10/294,233	ASMEX.293C1	US
6,716,713	April 6, 2004	November 13, 2002	10/294235	ASMEX.293DV1	US
6,776,849	August 17, 2004	March 15, 2002	10/100,308	ASMEX.324A	US
7,449,071	November 11, 2008	July 30, 2004	10/903083	ASMEX.324DV1	US
7,601,224	October 13, 2009	June 16, 2006	11/424638	ASMEX.326DV1	US
6,781,291	August 24, 2004	December 23, 2002	10/329,811	ASMEX.341CP1	US
6,797,617	September 28, 2004	May 20, 2003	10/441,642	ASMEX.310A	US

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Patent No.	Issue Date	Date Filed	Serial No.	Atty Docket No.	Country
7,022,613	April 4, 2006	February 24, 2004	10/786779	ASMEX.310C1	US
6,818,864	November 16, 2004	August 9, 2002	10/217,230	ASMEX.386A	US
6,821,825	November 23, 2004	February 11, 2002	10/074,563	ASMEX.291A	US
7,235,806	June 26, 2007	May 16, 2003	10/439,393	ASMEX.305A	US
6,823,753	November 30, 2004	May 16, 2003	10/439,521	ASMEX.307A	US
6,856,078	February 15, 2005	June 24, 2002	10/179,658	ASMEX.341A	US
6,781,291	August 24, 2004	December 23, 2002	10/329,811	ASMEX.341CP1	US
6,980,734	December 27, 2005	November 9, 2004	10/986237	ASMEX.341DV1	US
6,858,196	February 22, 2005	July 16, 2002	10/197,899	ASMEX.339A	US
6,861,321	March 1, 2005	April 5, 2002	10/118,073	ASMEX.377A	US
6,879,777	April 12, 2005	October 3, 2002	10/265,519	ASMEX.356A	US
6,883,776	April 26, 2005	August 20, 2002	10/225,546	ASMEX.388A	US
7,159,846	January 9, 2007	April 22, 2005	11/112,166	ASMEX.388C1	US
6,899,145	May 31, 2005	March 20, 2003	10/393,717	ASMEX.410A	US
6,900,115	May 31, 2005	February 11, 2002	10/074,633	ASMEX.328A	US
6,900,877	May 31, 2005	June 12, 2002	10/170,307	ASMEX.351A	US
7,248,931	July 24, 2007	July 15, 2004	10/892,697	ASMEX.351DV1	US
6,929,299	August 16, 2005	August 20, 2002	10/225,545	ASMEX.331A	US
6,958,253	October 25, 2005	February 11, 2002	10/074,534	ASMEX.367A	US
7,186,582	March 6, 2007	May 6, 2005	11/124340	ASMEX.367C1	US
6,960,537	November 1, 2005	September 26, 2002	10/260,370	ASMEX.347A	US
7,405,453	July 29, 2008	May 17, 2005	11/132,096	ASMEX.347DV1	US
7,569,284	August 4, 2009	July 3, 2008	12/167,506	ASMEX.347DV1D1	US
6,976,586	December 20, 2005	May 10, 2002	10/144,158	ASMEX.348A	US
6,962,859	November 8, 2005	February 11, 2002	10/074,564	ASMEX.333A	US
6,998,305	February 14, 2006	January 23, 2004	10/763,948	ASMEX.425A	US
6,883,250	April 26, 2005	November 4, 2003	10/701,681	ASMEX.428A	US
7,147,720	December 12, 2006	February 15, 2005	11/059,188	ASMEX.428DV1	US
7,993,057	August 9, 2011	December 20, 2007	11/961,671	ASMEX.608A	US
7,005,160	February 28, 2006	April 24, 2003	10/424,207	ASMEX.400A	US
7,008,802	March 7, 2006	May 29, 2001	09/870,393	ASMEX.282A	US
7,018,504	March 28, 2006	September 11, 2000	09/658,784	ASMEX.236A	US

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Patent No.	Issue Date	Date Filed	Serial No.	Atty Docket No.	Country
7,022,593	April 4, 2006	March 11, 2004	10/800,417	ASMEX.446A	US
7,026,219	April 11, 2006	February 2, 2002	10/074,722	ASMEX.320A	US
7,029,995	April 18, 2006	June 9, 2004	10/871,687	ASMEX.456A	US
7,033,445	April 25, 2006	December 20, 2002	10/327,296	ASMEX.350A	US
7,070,660	July 4, 2006	May 3, 2002	10/139,098	ASMEX.378A	US
7,077,388	July 18, 2006	July 18, 2003	10/622,127	ASMEX.402A	US
7,370,848	May 13, 2008	June 30, 2006	11/428,267	ASMEX.402DV1	US
7,108,748	September 19, 2006	May 29, 2002	10/158,393	ASMEX.317A	US
7,462,239	December 9, 2008	May 12, 2006	11/433535	ASMEX.317C1	US
7,108,753	September 19, 2006	October 29, 2003	10/696,481	ASMEX.431A	US
7,020,981	April 4, 2006	October 29, 2004	10/977,323	ASMEX.444A	US
7,115,521	October 3, 2006	November 18, 2004	10/993,024	ASMEX.448C1	US
7,118,779	October 10, 2006	May 7, 2004	10/841,585	ASMEX.418A	US
7,122,085	October 17, 2006	July 29, 2003	10/629,029	ASMEX.370A	US
6,825,051	November 30, 2004	May 17, 2002	10/150,989	ASMEX.375A	US
7,166,165	January 23, 2007	April 6, 2001	09/828,550	ASMEX.271A	US
7,169,233	January 30, 2007	November 21, 2003	10/719,416	ASMEX.429A	US
7,169,234	January 30, 2007	January 30, 2004	10/769,549	ASMEX.397A	US
7,186,582	March 6, 2007	May 6, 2005	11/124,340	ASMEX.367A	US
7,186,630	March 6, 2007	August 14, 2002	10/219,687	ASMEX.389A	US
7,202,166	April 10, 2007	August 3, 2004	10/910,551	ASMEX.468A	US
7,208,354	April 24, 2007	July 23, 2004	10/897,985	ASMEX.459A	US
7,238,595	July 3, 2007	March 12, 2004	10/800,390	ASMEX.448A	US
7,253,084	August 7, 2007	September 3, 2004	10/933,978	ASMEX.337A	US
7,273,799	September 25, 2007	August 12, 2004	10/918,547	ASMEX.328C1	US
7,547,615	June 16, 2009	August 22, 2007	11/843,552	ASMEX.328C1DV1	US
7,285,500	October 23, 2007	July 12, 2005	11/179,256	ASMEX.333DV1	US
7,893,433	February 22, 2011	September 12, 2007	11/854163	ASMEX.333DV1V1	US
7,289,865	October 30, 2007	July 14, 2004	10/892,013	ASMEX.457A	US
7,297,641	November 20, 2007	July 18, 2003	10/623,482	ASMEX.376A	US
7,651,953	January 26, 2010	October 23, 2007	11/877,480	ASMEX.376C1	US
7,964,513	June 21, 2011	August 24, 2009	12/546,106	ASMEX.376C1C1	US

Patent No.	Issue Date	Date Filed	Serial No.	Atty Docket No.	Country
7,329,593	February 12, 2008	February 25, 2005	11/067,307	ASMEX.481A	US
7,396,415	July 8, 2008	June 2, 2005	11/144,510	ASMEX.512A	US
7,402,504	July 22, 2008	August 18, 2006	11/506,320	ASMEX.448C1DV1	US
7,427,556	September 23, 2008	March 12, 2004	10/799,335	ASMEX.447A	US
7,438,760	October 21, 2008	January 30, 2006	11/343,275	ASMEX.511A	US
7,648,690	January 19, 2010	October 2, 2008	12/244,724	ASMEX.511DV1	US
7,452,757	November 18, 2008	May 7, 2003	10/434,423	ASMEX.405A	US
7,465,658	December 16, 2008	April 25, 2006	11/411,430	ASMMC.045C1US	US
7,479,443	January 20, 2009	October 4, 2007	11/867,318	ASMEX.481DV1	US
7,479,460	January 20, 2009	August 23, 2005	11/210,441	ASMEX.547A	US
8,765,606	July 1, 2014	October 14, 2008	12/251206	ASMEX.547C1	US
7,498,242	March 3, 2009	February 21, 2006	11/359,884	ASMEX.518A	US
7,514,372	April 7, 2009	July 23, 2004	10/898,021	ASMEX.458A	US
7,666,799	February 23, 2010	April 6, 2009	12/419,251	ASMEX.458DV1	US
7,571,893	August 11, 2009	November 16, 2006	11/560,771	ASMEX.584A	US
7,585,142	September 8, 2009	March 16, 2007	11/724,853	ASMEX.564A	US
7,585,752	September 8, 2009	October 12, 2004	10/963,043	ASMEX.291DV1	US
8,360,001	January 29, 2013	July 16, 2009	12/504,269	ASMEX.291DV2	US
7,595,270	September 29, 2009	January 26, 2007	11/627,597	ASMEX.530A	US
7,595,271	September 29, 2009	December 1, 2006	11/566,124	ASMEX.561A	US
7,597,574	October 6, 2009	August 11, 2006	11/502,935	ASMEX.498A	US
7,598,170	October 6, 2009	January 26, 2007	11/627,749	ASMEX.500A	US
7,608,526	October 27, 2009	July 24, 2006	11/491,616	ASMEX.572A	US
7,608,549	October 27, 2009	March 13, 2006	11/375,588	ASMEX.528A	US
8,334,218	December 18, 2012	October 2, 2009	12/573,008	ASMEX.528DV1	US
7,629,270	December 8, 2009	August 24, 2005	11/212,503	ASMEX.536A	US
7,648,579	January 19, 2010	February 11, 2005	11/057,111	ASMEX.505A	US
8,088,225	January 3, 2012	December 18, 2009	12/641,712	ASMEX.505C1	US
7,648,853	January 19, 2010	July 11, 2006	11/485,047	ASMEX.489A	US
7,655,543	February 2, 2010	December 21, 2007	11/963,627	ASMEX.575A	US
7,897,491	March 1, 2011	December 16, 2009	12/639,388	ASMEX.575DV1	US
7,666,474	February 23, 2010	May 7, 2008	12/116,894	ASMEX.644A	US

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Patent No.	Issue Date	Date Filed	Serial No.	Atty Docket No.	Country
7,674,728	March 9, 2010	March 29, 2007	11/693,556	ASMEX.337C1	US
7,921,805	April 12, 2011	January 21, 2010	12/691243	ASMEX.337C1DV1	US
7,682,947	March 23, 2020	May 30, 2007	11/755,528	ASMEX.448C2	US
7,687,383	March 30, 2010	January 30, 2006	11/343,244	ASMEX.527A	US
9,190,515	November 17, 2015	February 12, 2010	12/705,454	ASMEX.527DV1	US
7,713,874	May 11, 2010	May 2, 2007	11/743,574	ASMEX.558A	US
7,725,012	May 25, 2010	January 19, 2007	11/655,556	ASMEX.541A	US
7,727,864	June 1, 2010	November 1, 2006	11/591,927	ASMEX.475A	US
7,759,199	July 20, 2010	September 19, 2007	11/858,054	ASMEX.607A	US
7,772,097	August 10, 2010	November 5, 2007	11/935,174	ASMEX.506A	US
7,790,556	September 7, 2010	June 9, 2005	11/148,721	ASMEX.320C1	US
7,795,160	September 14, 2010	July 21, 2006	11/490,875	ASMEX.585A	US
7,799,680	September 21, 2010	January 9, 2007	11/651,324	ASMEX.468DV1	US
7,816,236	October 19, 2010	January 30, 2006	11/343,264	ASMEX.517A	US
7,825,401	November 2, 2010	September 17, 2009	12/562,029	ASMEX.572DV1	US
7,837,795	November 23, 2010	February 10, 2006	11/352,738	ASMEX.317DV1	US
7,611,751	November 3, 2009	November 1, 2006	11/591845	ASMEX.549A	US
7,863,163	January 4, 2011	December 22, 2006	11/644,673	ASMEX.556A	US
7,871,937	January 18, 2011	December 9, 2008	12/331,322	ASMEX.604A	US
7,874,726	January 25, 2011	May 16, 2008	12/121,085	ASMEX.626A	US
7,901,968	March 8, 2011	March 23, 2006	11/388,313	ASMEX.510A	US
7,914,847	March 29, 2011	November 30, 2006	11/565,478	ASMEX.418CP1	US
7,799,135	September 21, 2010	October 6, 2006	11/539,312	ASMEX.418DV1	US
7,918,938	April 5, 2011	January 17, 2007	11/654,372	ASMEX.531A	US
7,939,447	May 10, 2011	October 26, 2007	11/925,518	ASMEX.609A	US
7,946,762	May 24, 2011	June 17, 2008	12/140,809	ASMEX.672A	US
7,972,977	July 5, 2011	October 5, 2007	11/868,333	ASMEX.568A	US
8,563,444	October 22, 2013	July 1, 2011	13/175,204	ASMEX.568C1	US
8,047,706	November 1, 2011	November 18, 2008	12/273,440	ASMEX.618A	US
8,067,061	November 29, 2011	October 25, 2007	11/924,418	ASMEX.580A	US
9,551,069	January 24, 2017	October 19, 2011	13/276515	ASMEX.580D1	US
8,067,297	November 29, 2011	December 20, 2006	11/642,167	ASMEX.367DV1	US

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Patent No.	Issue Date	Date Filed	Serial No.	Atty Docket No.	Country
8,088,223	January 3, 2012	March 9, 2006	11/373,408	ASMEX.415A	US
8,137,462	March 20, 2012	October 10, 2007	11/870,374	ASMEX.605A	US
6,899,145	May 31, 2005	March 20, 2003	10/393,717	ASMEX.410A	US
8,152,922	April 10, 2012	August 30, 2004	10/929,348	ASMEX.412A	US
8,784,563	July 22, 2014	December 9, 2011	13/316,372	ASMEX.412C1	US
8,465,801	June 18, 2013	March 5, 2009	12/398,938	ASMEX.412DV1	US
8,211,230	July 3, 2012	January 17, 2006	11/333,127	ASMEX.523A	US
9,359,672	June 7, 2016	June 21, 2012	13/529223	ASMEX.523D1	US
10,468,291	November 5, 2019	April 6, 2016	15/092414	ASMEX.523D2	US
8,216,380	July 10, 2012	January 8, 2009	12/350,793	ASMEX.633A	US
8,268,409	September 18, 2012	October 16, 2007	11/873,250	ASMEX.509A	US
8,278,176	October 2, 2012	September 28, 2006	11/536,463	ASMEX.583A	US
9,312,131	April 12, 2016	May 31, 2012	13/485214	ASMEX.583C1	US
8,287,648	October 16, 2012	February 9, 2009	12/368,081	ASMEX.680A	US
8,759,226	June 24, 2014	September 10, 2012	13/608075	ASMEX.680D1	US
8,293,658	October 23, 2012	February 17, 2010	12/707,065	ASMEX.751A	US
		October 28, 2011	13/284,231	ASMEX.755A	US
8,317,921	November 27, 2012	May 6, 2005	11/124,329	ASMEX.136C1C1	US
8,329,569	December 11, 2012	July 2, 2010	12/829,989	ASMEX.731A	US
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8,440,048	May 14, 2013	January 27, 2010	12/695,072	ASMEX.535A	US
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8,486,191	July 16, 2013	April 7, 2009	12/420,010	ASMEX.705A	US
8,530,340	September 10, 2013	September 9, 2009	12/556,377	ASMEX.448C3	US
9,139,906	September 22, 2015	February 27, 2008	12/038764	ASMEX.652A	US
8,557,702	October 15, 2013	January 7, 2010	12/683,718	ASMEX.670A	US
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8,801,857	August 12, 2014	October 31, 2008	12/263,345	ASMEX.688A	US
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8,921,205	December 30, 2014	January 24, 2007	11/626,730	ASMEX.389DV1	US
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9,885,123	February 6, 2018	March 16, 2011	13/049,763	ASMEX.647A	US
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162246	December 31, 2012	October 22, 2008	2010041028	ASMEX.575VSG	SG
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4247429	January 23, 2009	December 11, 2001	2002-565342	ASMEX.283VJP	JP
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4224847	December 5, 2008	February 12, 2002	2002-565348	ASMEX.367VJP	JP
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5005170	June 1, 2012	July 18, 2003	2004-523521	ASMEX.376VJP	JP
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4486885	April 2, 2010	July 18, 2003	2004-527614	ASMEX.386VJP	JP
5093987	September 28, 2012	January 24, 2005	2005-015792	ASMEX.397VJP	JP
4728953	April 22, 2011	April 21, 2004	2006-513177	ASMEX.400VJP	JP
4951202	March 16, 2012	May 7, 2003	2004-504268	ASMEX.405VJP	JP
4959333	March 30, 2012	April 29, 2004	2006-532497	ASMEX.418VJP	JP
5288707	June 14, 2013	March 11, 2004	2006-507063	ASMEX.447VJP	JP
4782670	July 15, 2011	March 12, 2004	2006-507117	ASMEX.448VJP	JP
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4982355	April 27, 2012	February 25, 2005	2007-501016	ASMEX.481VJP	JP
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5441340	December 27, 2013	January 21, 2008	2008-010072	ASMEX.500VJP	JP
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5073751	August 31, 2012	October 10, 2007	2009-532567	ASMEX.605VJP	JP
5382642	October 11, 2013	September 17, 2008	2008-237865	ASMEX.607VJP	JP
5497269	March 14, 2014	March 13, 2008	2008-063701	ASMEX.616VJP	JP
5255054	April 26, 2013	May 16, 2008	2010-509478	ASMEX.626VJP	JP
5727390	April 10, 2015	January 8, 2010	2011-548001	ASMEX.670JP	JP
5605852	September 5, 2014	May 20, 2009	2011-522078	ASMEX.673JP	JP
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5856085	December 18, 2015	August 7, 2012	2012-553957	ASMEX.751JP	JP
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60223662.2	November 21, 2007	February 12, 2002	2721028.5	ASMEX.328VDE	DE
1374291	November 21, 2007	February 12, 2002	2721028.5	ASMEX.328VFR	FR
1374290	July 2, 2008	February 12, 2002	2706308	ASMEX.367VEP	EP
1374290	July 2, 2008	February 12, 2002	2706308	ASMEX.367VDE	DE
1374290	July 2, 2008	February 12, 2002	2706308	ASMEX.367VFR	FR
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2050125	December 20, 2017	June 27, 2007	7799093.5	ASMEX.572VNL	NL
2231896	December 27, 2017	October 22, 2008	8866712.6	ASMEX.575VEP	EP
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2156155	February 9, 2011	May 16, 2008	8755721.1	ASMEX.626VEP	EP
602008004911.6-08	February 9, 2011	May 16, 2008	8755721.1	ASMEX.626VDE	DE
2156155	February 9, 2011	May 16, 2008	8755721.1	ASMEX.626VFR	FR

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9394608	07/19/2016	04/05/2010	12/754,223	53358.00015	US
1531675	05/01/2016	04/06/2010	99110511.0	53358.00017	TW
8986456	03/24/2015	04/19/2010	12/763,037	53358.00018	US
8883270	11/11/2014	08/11/2010	12/854,818	53358.0002	US
540221	07/01/2016	08/13/2010	99127063.0	53358.00022	TW
5335992	08/09/2013	11/07/2011	2012-509857	53358.0071	JP
9267850	02/23/2016	02/06/2013	13/760,160	53358.00717	US
1489526	06/21/2015	05/05/2010	99114330.0	53358.0072	TW
9297705	03/29/2016	05/06/2009	12/436,306	53358.008	US
506256	11/01/2015	05/05/2010	99114331.0	53358.0082	TW
102439402	01/20/2016	11/07/2011	201080020268.1	53358.00834	CN
1480527	04/11/2015	05/05/2010	99114329.0	53358.0092	TW
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1557261	11/11/2016	04/15/2011	100113130.0	53358.0102	TW
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5779174	07/17/2015	10/06/2011	2012-504786	53358.0121	JP
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9341296	05/17/2016	10/27/2011	13/283,408	53358.013	US
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8100583	01/24/2012	05/06/2009	12/436,315	53358.009	US
7946762	05/24/2011	06/17/2008	12/140,809	81049.002	US
		09/21/2011	201106812-9	53358.0128	SG
		08/11/2014	14/457,058	81048.01536	US
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