

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
INTERNATIONAL BUSINESS MACHINES CORPORATION		06/18/2019
RECEIVING PARTY DATA		
Name:	PURE STORAGE, INC.	
Street Address:	650 CASTRO STREET	
Internal Address:	SUITE 400	
City:	MOUNTAIN VIEW	
State/Country:	CALIFORNIA	
Postal Code:	94041	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	17812279	
CORRESPONDENCE DATA		
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<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>		
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ATTORNEY DOCKET NUMBER:	CS00187C2	
NAME OF SUBMITTER:	KAREN TAYLOR	
SIGNATURE:	/Karen Taylor/	
DATE SIGNED:	07/18/2022	
Total Attachments: 39		
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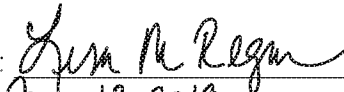
Form of Recordable Patent Assignment and Reservation

For good and valuable consideration, the receipt of which is hereby acknowledged, and subject to the reservations stated in the Patent Assignment Agreement Reference No. L190238 between the parties with an effective time and date of 11:59pm United States Eastern Time on June 11, 2019 ("Effective Time and Date") ("Patent Assignment Agreement"), International Business Machines Corporation, a New York corporation having a place of business at Armonk, New York (hereinafter "ASSIGNOR"), hereby grants and assigns to Pure Storage, Inc., a Delaware corporation having a place of business at Mountain View, California (hereinafter "ASSIGNEE"), all of IBM's right, title and interest in and to the patents and patent applications identified in Exhibits A-I, A-II, C-I and C-II, attached hereto, (hereinafter, collectively, "ASSIGNED PATENTS"), to have and to hold the same, unto ASSIGNEE for its own use and enjoyment and for the use and enjoyment of its successors and assigns, including all damages for infringement of any of the Assigned Patents and the sole right to sue therefore under such Assigned Patents, for the full term or terms of all such ASSIGNED PATENTS, subject to all rights granted under the ASSIGNED PATENTS to third parties prior to said Effective Time & Date.

ASSIGNOR hereby reserves and retains, for the benefit of itself and its subsidiaries and its and their successors and assigns, the rights and licenses set forth in the Patent Assignment Agreement.

IN WITNESS WHEREOF, ASSIGNOR has caused this Patent Assignment and Reservation to be duly signed on its behalf.

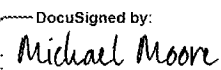
ASSIGNOR: INTERNATIONAL BUSINESS MACHINES CORPORATION

Signature: 
Date: June 13, 2019

Name: Lisa M. Regan
Title: Director, Research and Intellectual Property Finance

ASSIGNEE hereby accepts and acknowledges the assignment of ASSIGNED PATENTS as stated above.

ASSIGNEE: PURE STORAGE, INC.

DocuSigned by:
Signature: 
Date: 6/19/2019

Name: Michael Moore
Title: VP & AGC

EXHIBIT A-I
LISTED PATENTS (United States)

IBM Docket Number	Country	Patent Number	Application Number	Filing Date	Issue Date
END920165001US2	US	10078472	14/984024	12/30/2015	9/18/2018
END920165002US2	US	10079887	15/006735	1/26/2016	9/18/2018
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END920165691US2	US	9898373	14/215335	3/17/2014	2/20/2018
END920165693US2	US	10075523	14/172140	2/4/2014	9/11/2018
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END920165706US7	US	10241863	15/255748	9/2/2016	3/26/2019
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END920165709US3	US	10200156	15/213329	7/18/2016	2/5/2019
END920165709US4	US	9258177	13/919673	6/17/2013	2/9/2016
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END920165710US2	US	9110833	13/889557	5/8/2013	8/18/2015
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END920165710US4	US	10102068	15/224839	8/1/2016	10/16/2018
END920165710US5	US	8935761	13/889942	5/8/2013	1/13/2015
END920165711US2	US	9292212	13/890438	5/9/2013	3/22/2016
END920165711US3	US	9547548	15/012555	2/1/2016	1/17/2017
END920165711US4	US	9141297	13/890510	5/9/2013	9/22/2015
END920165711US5	US	10108484	15/346486	11/8/2016	10/23/2018
END920165711US6	US	10157011	15/350904	11/14/2016	12/18/2018
END920165711US7	US	10114697	15/357814	11/21/2016	10/30/2018
END920165711US8	US	10120574	15/357622	11/21/2016	11/6/2018
END920165712US2	US	9619487	13/921095	6/18/2013	4/11/2017
END920165713US2	US	9632872	13/866457	4/19/2013	4/25/2017
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END920165714US2	US	9613052	13/868988	4/23/2013	4/4/2017
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END920165714US4	US	9838382	15/400769	1/6/2017	12/5/2017
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END920165719US3	US	9588994	13/753418	1/29/2013	3/7/2017
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END920165720US3	US	10157051	15/217052	7/22/2016	12/18/2018
END920165720US5	US	10013444	13/775555	2/25/2013	7/3/2018
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END920165720US8	US	8935256	13/775769	2/25/2013	1/13/2015
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END920165721US3	US	9203901	13/707118	12/6/2012	12/1/2015
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END920165722US3	US	9146810	14/615966	2/6/2015	9/29/2015
END920165722US4	US	9507786	13/718961	12/18/2012	11/29/2016
END920165722US5	US	9465861	13/943352	7/16/2013	10/11/2016

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END920165722US7	US	9715504	15/213343	7/18/2016	7/25/2017
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END920165722US9	US	9767109	15/215614	7/21/2016	9/19/2017
END920165723US10	US	9430286	13/865659	4/18/2013	8/30/2016
END920165723US11	US	9141468	13/865679	4/18/2013	9/22/2015
END920165723US12	US	10120755	14/843092	9/2/2015	11/6/2018
END920165723US13	US	8898542	13/707502	12/6/2012	11/25/2014
END920165723US14	US	9304858	13/707525	12/6/2012	4/5/2016
END920165723US15	US	9015556	13/707542	12/6/2012	4/21/2015
END920165723US16	US	9292385	14/635178	3/2/2015	3/22/2016
END920165723US17	US	9740730	15/249800	8/29/2016	8/22/2017
END920165723US19	US	10104168	15/281430	9/30/2016	10/16/2018
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END920165723US20	US	10303521	15/341722	11/2/2016	5/28/2019
END920165723US22	US	9998540	15/403671	1/11/2017	6/12/2018
END920165723US25	US	10146621	15/405130	1/12/2017	12/4/2018
END920165723US26	US	9817701	15/405203	1/12/2017	11/14/2017
END920165723US28	US	10176045	15/437862	2/21/2017	1/8/2019
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END920165724US3	US	9495240	14/499570	9/29/2014	11/15/2016
END920165724US4	US	9842063	15/345262	11/7/2016	12/12/2017
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END920165725US3	US	9203625	13/683964	11/21/2012	12/1/2015
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END920165726US3	US	9304843	13/611622	9/12/2012	4/5/2016
END920165726US4	US	8683286	13/611803	9/12/2012	3/25/2014
END920165726US5	US	9483337	14/223406	3/24/2014	11/1/2016
END920165726US6	US	8607122	13/611866	9/12/2012	12/10/2013
END920165726US7	US	9208009	14/100368	12/9/2013	12/8/2015
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END920165727US3	US	8839368	13/647533	10/9/2012	9/16/2014
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END920165728US2	US	8776186	13/588259	8/17/2012	7/8/2014
END920165728US3	US	9104541	14/325604	7/8/2014	8/11/2015
END920165728US4	US	9785491	13/588286	8/17/2012	10/10/2017
END920165728US5	US	8782492	13/588350	8/17/2012	7/15/2014
END920165728US6	US	9262247	14/331596	7/15/2014	2/16/2016
END920165729US2	US	8677214	13/611962	9/12/2012	3/18/2014
END920165729US3	US	10216576	14/217662	3/18/2014	2/26/2019
END920165729US4	US	8782494	13/612043	9/12/2012	7/15/2014
END920165729US5	US	8856617	13/612116	9/12/2012	10/7/2014
END920165729US6	US	9128870	14/480139	9/8/2014	9/8/2015
END920165729US7	US	9471426	14/819113	8/5/2015	10/18/2016
*END920165730US2	US	8930649	13/565562	8/2/2012	1/6/2015
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END920165730US5	US	9715425	14/954836	11/30/2015	7/25/2017
END920165730US6	US	10235237	15/629134	6/21/2017	3/19/2019
END920165731US2	US	9092385	13/587224	8/16/2012	7/28/2015
END920165731US3	US	9229823	13/587277	8/16/2012	1/5/2016
END920165731US4	US	9992019	14/954527	11/30/2015	6/5/2018
END920165731US5	US	9971802	15/215274	7/20/2016	5/15/2018
END920165731US6	US	10120756	15/217585	7/22/2016	11/6/2018
END920165731US7	US	8782491	13/587802	8/16/2012	7/15/2014
END920165731US8	US	9087016	14/330194	7/14/2014	7/21/2015
END920165732US2	US	9852017	13/547769	7/12/2012	12/26/2017
END920165732US3	US	8914667	13/547887	7/12/2012	12/16/2014
END920165732US4	US	9170868	13/547941	7/12/2012	10/27/2015
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END920165734US3	US	10083081	15/005306	1/25/2016	9/25/2018
END920165734US4	US	8924770	13/527929	6/20/2012	12/30/2014
END920165734US5	US	8966311	13/527959	6/20/2012	2/24/2015
END920165735US10	US	10042709	15/414338	1/24/2017	8/7/2018
END920165735US2	US	8762479	13/464166	5/4/2012	6/24/2014
END920165735US3	US	9400714	13/647528	10/9/2012	7/26/2016
END920165735US4	US	9094428	14/312823	6/24/2014	7/28/2015
END920165735US5	US	9934091	15/190925	6/23/2016	4/3/2018
END920165735US6	US	9560133	13/464272	5/4/2012	1/31/2017
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END920165736US10	US	10255135	15/824340	11/28/2017	4/9/2019
END920165736US2	US	9842222	13/463991	5/4/2012	12/12/2017
END920165736US4	US	8656253	13/464048	5/4/2012	2/18/2014
*END920165736US5	US	8965939	14/182482	2/18/2014	2/24/2015
END920165736US6	US	8782439	13/464082	5/4/2012	7/15/2014
END920165736US7	US	9110593	14/331676	7/15/2014	8/18/2015
END920165736US8	US	10127402	15/341456	11/2/2016	11/13/2018
END920165736US9	US	9940195	15/718200	9/28/2017	4/10/2018
END920165737US3	US	9292682	13/450034	4/18/2012	3/22/2016
END920165737US4	US	8707393	13/450055	4/18/2012	4/22/2014
END920165738US2	US	9141458	13/450186	4/18/2012	9/22/2015
END920165738US3	US	9830222	14/844145	9/3/2015	11/28/2017
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*END920165738US6	US	8954787	13/450212	4/18/2012	2/10/2015
END920165739US2	US	9219604	13/449950	4/18/2012	12/22/2015
END920165740US2	US	8627091	13/413232	3/6/2012	1/7/2014
END920165740US3	US	9894151	14/147982	1/6/2014	2/13/2018
END920165740US4	US	8874990	13/413261	3/6/2012	10/28/2014
END920165740US5	US	9137303	14/524037	10/27/2014	9/15/2015
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*END920165740US7	US	8949688	13/413320	3/6/2012	2/3/2015
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END920165740US9	US	10298684	15/435692	2/17/2017	5/21/2019
END920165741US2	US	8843803	13/413436	3/6/2012	9/23/2014
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END920165741US5	US	9135114	14/481245	9/9/2014	9/15/2015
END920165741US6	US	9501358	14/842129	9/1/2015	11/22/2016
END920165741US7	US	8880978	13/413469	3/6/2012	11/4/2014
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END920165741US9	US	9471427	14/929925	11/2/2015	10/18/2016
END920165742US06	US	10169129	16/047637	7/27/2018	1/1/2019
END920165742US2	US	9183073	13/372677	2/14/2012	11/10/2015
END920165742US4	US	9658911	13/372715	2/14/2012	5/23/2017
END920165743US2	US	8868695	13/372611	2/14/2012	10/21/2014
END920165743US3	US	9727418	14/482509	9/10/2014	8/8/2017
END920165743US4	US	10102063	13/372628	2/14/2012	10/16/2018

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END920165743US5	US	8910022	13/372650	2/14/2012	12/9/2014
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END920165744US3	US	8688949	13/343405	1/4/2012	4/1/2014
END920165744US4	US	8914609	14/230446	3/31/2014	12/16/2014
END920165744US5	US	8909858	13/343449	1/4/2012	12/9/2014
END920165745US2	US	9081714	13/347140	1/10/2012	7/14/2015
END920165745US3	US	9081715	13/347204	1/10/2012	7/14/2015
END920165745US4	US	8726127	13/347266	1/10/2012	5/13/2014
END920165745US5	US	8966341	14/276006	5/13/2014	2/24/2015
END920165746US2	US	8897443	13/309353	12/1/2011	11/25/2014
END920165746US3	US	8683231	13/309432	12/1/2011	3/25/2014
END920165746US4	US	9319463	13/309469	12/1/2011	4/19/2016
END920165746US5	US	10169146	15/131488	4/18/2016	1/1/2019
END920165747US2	US	8832493	13/308724	2/1/2011	9/9/2014
END920165747US3	US	9037904	14/479905	9/8/2014	5/19/2015
END920165747US4	US	9170882	13/308777	12/1/2011	10/27/2015
END920165747US5	US	9606869	14/875079	10/5/2015	3/28/2017
END920165747US6	US	8892845	13/308889	12/1/2011	11/18/2014
END920165747US8	US	9927977	15/426698	2/7/2017	3/27/2018
END920165748US2	US	8914669	13/291009	11/7/2011	12/16/2014
END920165748US3	US	9483398	13/291030	11/7/2011	11/1/2016
END920165748US4	US	9336139	13/291042	11/7/2011	5/10/2016
END920165748US5	US	9454431	14/035433	9/24/2013	9/27/2016
END920165749US4	US	10084770	13/289200	11/4/2011	9/25/2018
END920165749US5	US	9590838	14/029347	9/17/2013	3/7/2017
END920165750US4	US	9274977	13/270654	10/11/2011	3/1/2016
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END920165750US8	US	10146645	15/238031	8/16/2016	12/4/2018
END920165750US9	US	10289318	15/238165	8/16/2016	5/14/2019
END920165751US2	US	8707105	13/252410	10/4/2011	4/22/2014
END920165751US3	US	9122596	14/257398	4/21/2014	9/1/2015
END920165752US10	US	10298957	15/817104	11/17/2017	5/21/2019
END920165752US2	US	9112535	13/251566	10/3/2011	8/18/2015
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END920165752US8	US	8918693	13/251618	10/3/2011	12/23/2014
END920165753US2	US	9116831	13/231332	9/13/2011	8/25/2015
END920165753US3	US	8656138	13/231375	9/13/2011	2/18/2014
END920165753US4	US	9141307	14/182755	2/18/2014	9/22/2015
END920165753US5	US	9424130	14/843049	9/2/2015	8/23/2016
END920165754US2	US	8621271	13/204039	8/5/2011	12/31/2013
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END920165756US2	US	8627114	13/180675	7/12/2011	1/7/2014
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END920165758US10	US	9231768	13/154740	6/7/2011	1/5/2016
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END920165758US4	US	10289688	13/154725	6/7/2011	5/14/2019
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END920165761US13	US	9323603	14/481885	9/9/2014	4/26/2016
END920165761US2	US	9026758	13/097305	4/29/2011	5/5/2015

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END920165761US3	US	9009575	13/920766	6/18/2013	4/14/2015
END920165761US4	US	9563507	14/679578	4/6/2015	2/7/2017
END920165761US5	US	9632722	14/458969	8/13/2014	4/25/2017
END920165761US6	US	8874868	13/097338	4/29/2011	10/28/2014
END920165761US7	US	8448044	13/097357	4/29/2011	5/21/2013
END920165761US8	US	8627177	13/897567	5/20/2013	1/7/2014
END920165761US9	US	8861727	13/097396	4/29/2011	10/14/2014
END920165762US10	US	8761167	13/080312	4/5/2011	6/24/2014
END920165762US11	US	9235549	14/312163	6/23/2014	1/12/2016
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END920165762US15	US	9092386	13/920708	6/18/2013	7/28/2015
END920165762US16	US	9495117	14/454942	8/8/2014	11/15/2016
END920165762US17	US	9077734	13/180673	7/12/2011	7/7/2015
END920165762US18	US	8649399	13/080446	4/5/2011	2/11/2014
END920165762US19	US	9524267	14/176807	2/10/2014	12/20/2016
END920165762US2	US	8625635	13/073948	3/28/2011	1/7/2014
END920165762US20	US	8654789	13/080490	4/5/2011	2/18/2014
END920165762US21	US	9244879	14/182528	2/18/2014	1/26/2016
END920165762US22	US	9563598	14/148286	1/6/2014	2/7/2017
END920165762US23	US	10146620	15/345309	11/7/2016	12/4/2018
END920165762US24	US	9807171	15/346375	11/8/2016	10/31/2017
END920165762US25	US	9749419	15/348099	11/10/2016	8/29/2017
END920165762US3	US	8681790	13/080177	4/5/2011	3/25/2014
END920165762US4	US	9582459	14/223138	3/24/2014	2/28/2017
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END920165762US6	US	8681787	13/080234	4/5/2011	3/25/2014
END920165762US7	US	9256571	14/223020	3/24/2014	2/9/2016
END920165762US8	US	8625637	13/080286	4/5/2011	1/7/2014
END920165762US9	US	9514090	14/148380	1/6/2014	12/6/2016
END920165763US10	US	10154034	14/454013	8/7/2014	12/11/2018
END920165763US2	US	9047218	13/021510	2/4/2011	6/2/2015
END920165763US3	US	9606858	13/887662	5/6/2013	3/28/2017
END920165763US4	US	8769379	13/887560	5/6/2013	7/1/2014
END920165763US5	US	9043689	14/319372	6/30/2014	5/26/2015
END920165763US6	US	9342406	14/461824	8/18/2014	5/17/2016
END920165763US7	US	9311186	14/726699	6/1/2015	4/12/2016
END920165763US8	US	8566354	13/021537	2/4/2011	10/22/2013
END920165763US9	US	9063881	13/021552	2/4/2011	6/23/2015
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END920165764US12	US	8495466	12/983214	12/31/2010	7/23/2013
END920165764US13	US	8627178	13/946136	7/19/2013	1/7/2014
END920165764US14	US	9110819	14/148652	1/6/2014	8/18/2015
END920165764US15	US	9229824	14/453176	8/6/2014	1/5/2016
END920165764US16	US	9170884	14/453241	8/6/2014	10/27/2015
END920165764US17	US	8527705	12/983221	12/31/2010	9/3/2013
END920165764US18	US	10268374	15/276903	9/27/2016	4/23/2019
END920165764US2	US	9311184	12/983226	12/31/2010	4/12/2016
END920165764US3	US	9116832	14/458686	8/13/2014	8/25/2015
END920165764US4	US	9158624	14/458721	8/13/2014	10/13/2015
END920165764US5	US	10049008	15/095637	4/11/2016	8/14/2018
END920165764US6	US	8725940	12/983232	12/31/2010	5/13/2014
END920165764US7	US	9122628	14/275814	5/12/2014	9/1/2015
END920165764US8	US	8850113	12/983235	12/31/2010	9/30/2014
END920165764US9	US	9135115	14/454852	8/8/2014	9/15/2015
END920165765US2	US	8683119	13/021589	2/4/2011	3/25/2014
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END920165765US5	US	9116626	14/257341	4/21/2014	8/25/2015
END920165765US7	US	8578205	13/021664	2/4/2011	11/5/2013
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END920165766US5	US	8516299	13/593997	8/24/2012	8/20/2013
END920165766US6	US	8370600	12/779675	5/13/2010	2/5/2013
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END920165766US9	US	8812812	14/032776	9/20/2013	8/19/2014
END920165768US10	US	9576018	14/449487	8/1/2014	2/21/2017
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END920165768US12	US	9092140	13/863475	4/16/2013	7/28/2015
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END920165768US14	US	9774684	14/876154	10/6/2015	9/26/2017
END920165768US15	US	9880902	15/460958	3/16/2017	1/30/2018
END920165768US16	US	10015255	15/673978	8/10/2017	7/3/2018
END920165768US17	US	10044807	15/839457	12/12/2017	8/7/2018
END920165768US18	US	10051057	15/839814	12/12/2017	8/14/2018

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END920165768US23	US	10257276	16/048011	7/27/2018	4/9/2019
END920165768US25	US	10270858	16/024669	6/29/2018	4/23/2019
END920165768US26	US	10305989	16/170817	10/25/2018	5/28/2019
END920165768US27	US	10305990	16/205780	11/30/2018	5/28/2019
END920165768US3	US	8826067	14/062478	10/24/2013	9/2/2014
END920165768US4	US	8595435	12/797025	6/9/2010	11/26/2013
END920165768US5	US	8549351	12/954137	11/24/2010	10/1/2013
END920165768US6	US	8880940	14/042844	10/1/2013	11/4/2014
END920165768US7	US	8819179	12/954232	11/24/2010	8/26/2014
END920165768US8	US	9697171	14/335915	7/20/2014	7/4/2017
END920165768US9	US	10027478	15/208790	7/13/2016	7/17/2018
END920165769US2	US	8885821	12/954875	11/28/2010	11/11/2014
END920165769US3	US	8959366	12/954880	11/28/2010	2/17/2015
END920165769US4	US	10282564	14/452182	8/5/2014	5/7/2019
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END920165770US07	US	9900387	15/681026	8/18/2017	2/20/2018
END920165770US2	US	8954667	12/943826	11/10/2010	2/10/2015
END920165770US3	US	9201732	14/446703	7/30/2014	12/1/2015
END920165770US4	US	9774680	14/447909	7/31/2014	9/26/2017
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END920165771US2	US	8352501	12/942990	11/9/2010	1/8/2013
END920165771US3	US	8918674	12/942992	11/9/2010	12/23/2014
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END920165771US5	US	9354980	14/444134	7/28/2014	5/31/2016
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END920165772US2	US	8522113	12/942692	11/9/2010	8/27/2013
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END920165773US4	US	9152489	12/903209	10/13/2010	10/6/2015
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END920165774US2	US	8990585	12/886368	9/20/2010	3/24/2015
END920165774US3	US	9369526	14/319159	6/30/2014	6/14/2016
END920165774US4	US	9344500	14/319282	6/30/2014	5/17/2016
END920165774US5	US	9571577	14/612422	2/3/2015	2/14/2017
END920165774US6	US	10158648	15/221344	7/27/2016	12/18/2018
END920165774US7	US	10237281	15/221731	7/28/2016	3/19/2019

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END920165775US3	US	9922063	13/888324	5/6/2013	3/20/2018
END920165775US4	US	10097518	13/919210	6/17/2013	10/9/2018
END920165775US5	US	9697244	14/307883	6/18/2014	7/4/2017
END920165776US2	US	8762343	12/902684	10/12/2010	6/24/2014
END920165776US3	US	9679153	14/312532	6/23/2014	6/13/2017
END920165776US4	US	9489533	14/312550	6/23/2014	11/8/2016
END920165777US10	US	9760286	15/451906	3/7/2017	9/12/2017
END920165777US11	US	9823845	15/612750	6/2/2017	11/21/2017
END920165777US2	US	8819452	12/885124	9/17/2010	8/26/2014
*END920165777US3	US	9021273	14/316336	6/26/2014	4/28/2015
END920165777US4	US	9208331	14/680298	4/7/2015	12/8/2015
END920165777US5	US	9043616	14/336189	7/21/2014	5/26/2015
END920165777US6	US	9747457	14/705752	5/6/2015	8/29/2017
END920165777US7	US	8458233	12/885244	9/17/2010	6/4/2013
END920165777US8	US	8762346	13/908516	6/3/2013	6/24/2014
END920165777US9	US	9672109	15/250013	8/29/2016	6/6/2017
END920165778US2	US	8621268	12/862871	8/25/2010	12/31/2013
END920165779US2	US	8688907	12/862878	8/25/2010	4/1/2014
END920165779US3	US	9268641	14/230253	3/31/2014	2/23/2016
END920165779US4	US	10015141	14/328311	7/10/2014	7/3/2018
END920165779US5	US	9996548	14/328904	7/11/2014	6/12/2018
END920165780US2	US	8527807	12/845590	7/28/2010	9/3/2013
END920165780US3	US	8726071	13/779452	2/27/2013	5/13/2014
END920165780US4	US	9431055	14/275560	5/12/2014	8/30/2016
END920165780US5	US	9626248	14/327582	7/10/2014	4/18/2017
END920165780US6	US	9836352	14/327585	7/10/2014	12/5/2017
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END920165780US8	US	9870795	15/085648	3/30/2016	1/16/2018
END920165781US2	US	9027080	12/886389	9/20/2010	5/5/2015
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END920165781US6	US	10180884	14/315775	6/26/2014	1/15/2019
END920165781US7	US	9430336	14/315842	6/26/2014	8/30/2016
END920165782US2	US	8918897	12/862887	8/25/2010	12/23/2014
END920165782US3	US	9152514	13/866224	4/19/2013	10/6/2015
END920165782US4	US	9270298	14/335912	7/20/2014	2/23/2016
END920165782US5	US	9501349	14/336195	7/21/2014	11/22/2016
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END920165782US7	US	9703812	13/874560	5/1/2013	7/11/2017
END920165783US10	US	9098376	14/291205	5/30/2014	8/4/2015
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END920165783US12	US	9965354	15/089943	4/4/2016	5/8/2018
END920165783US13	US	8630987	12/839220	7/19/2010	1/14/2014
END920165783US14	US	9378091	14/142206	12/27/2013	6/28/2016
END920165783US15	US	9858143	15/230108	8/5/2016	1/2/2018
END920165783US16	US	10275161	15/627529	10/10/2017	4/30/2019
END920165783US2	US	8819011	12/839209	7/19/2010	8/26/2014
END920165783US3	US	9411818	14/338504	7/23/2014	8/9/2016
END920165783US4	US	8769035	12/839181	7/19/2010	7/1/2014
END920165783US5	US	9785351	14/318790	6/30/2014	10/10/2017
END920165783US6	US	8479078	12/839197	7/19/2010	7/2/2013
END920165783US7	US	8631303	13/932320	7/1/2013	1/14/2014
END920165783US8	US	8914707	14/132020	12/18/2013	12/16/2014
END920165783US9	US	9063658	14/288453	5/28/2014	6/23/2015
END920165784US2	US	8589637	12/817171	6/16/2010	11/19/2013
END920165784US3	US	9645967	14/083724	11/19/2013	5/9/2017
END920165784US4	US	8522022	12/817201	6/17/2010	8/27/2013
END920165785US2	US	8351600	12/814467	6/13/2010	1/8/2013
END920165785US3	US	9009491	13/736848	1/8/2013	4/14/2015
END920165785US4	US	9413529	14/292727	5/30/2014	8/9/2016
END920165785US5	US	9088407	14/292772	5/30/2014	7/21/2015
END920165785US6	US	9900150	12/814474	6/13/2010	2/20/2018
END920165785US7	US	9692593	12/816126	6/15/2010	6/27/2017
END920165785US8	US	8468137	12/818137	6/17/2010	6/18/2013
END920165785US9	US	9819484	15/230145	8/5/2016	11/14/2017
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*END920165786US11	US	8966009	14/062974	10/25/2013	2/24/2015
END920165786US3	US	9195408	14/290549	5/29/2014	11/24/2015
END920165786US4	US	9311185	14/294131	6/2/2014	4/12/2016
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END920165786US8	US	8464133	12/850609	8/4/2010	6/11/2013
END920165786US9	US	9043489	12/850610	8/4/2010	5/26/2015
END920165787US2	US	10142115	12/837961	7/16/2010	11/27/2018
END920165787US3	US	9501355	14/302974	6/12/2014	11/22/2016
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*END920165787US5	US	9015431	12/838407	7/16/2010	4/21/2015
END920165788US2	US	8402344	12/797208	6/9/2010	3/19/2013
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END920165788US4	US	8595596	13/870194	4/25/2013	11/26/2013
END920165788US5	US	8307263	12/814470	6/13/2010	11/6/2012
END920165789US2	US	8281181	12/778647	5/12/2010	10/2/2012
END920165789US3	US	8381025	12/778663	5/12/2010	2/19/2013
END920165789US4	US	8448020	13/524346	6/15/2012	5/21/2013
END920165789US5	US	8478937	12/778680	5/12/2010	7/2/2013
END920165789US6	US	10209903	13/779469	2/27/2013	2/19/2019
END920165789US7	US	9448730	12/778701	5/12/2010	9/20/2016
END920165789US8	US	9823861	14/292585	5/30/2014	11/21/2017
END920165790US3	US	8862800	13/529052	6/21/2012	10/14/2014
END920165790US4	US	8918534	12/777864	5/11/2010	12/23/2014
END920165790US5	US	8554994	12/777887	5/11/2010	10/8/2013
END920165790US6	US	8473677	12/777904	5/11/2010	6/25/2013
END920165790US7	US	9274890	13/925270	6/24/2013	3/1/2016
END920165791US2	US	8924387	12/789459	5/28/2010	12/30/2014
END920165791US3	US	9313293	14/540305	11/13/2014	4/12/2016
END920165791US4	US	10031804	15/095402	4/11/2016	7/24/2018
END920165791US5	US	8357048	12/789461	5/28/2010	1/22/2013
END920165791US6	US	8882599	13/711295	12/11/2012	11/11/2014
END920165792US2	US	8689354	12/797165	6/9/2010	4/1/2014
END920165792US3	US	9443099	14/230169	3/31/2014	9/13/2016
END920165792US4	US	8548913	12/797228	6/9/2010	10/1/2013
END920165792US5	US	9076138	12/817165	6/16/2010	7/7/2015
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END920165793US4	US	9189336	14/612059	2/2/2015	11/17/2015
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END920165794US2	US	9411810	12/753569	4/2/2010	8/9/2016
END920165794US3	US	10268712	15/230113	8/5/2016	4/23/2019
END920165795US09	US	10303549	15/912305	3/5/2018	5/28/2019
END920165795US2	US	8560855	12/759701	4/14/2010	10/15/2013
END920165795US3	US	9086994	14/051588	10/11/2013	7/21/2015
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END920165795US7	US	8468609	12/759948	4/14/2010	6/18/2013
END920165795US8	US	8813204	13/917922	6/14/2013	8/19/2014
END920165797US2	US	9235350	12/749583	3/20/2010	1/12/2016
END920165797US3	US	9690513	12/749606	3/30/2010	6/27/2017
END920165797US4	US	9772791	12/749625	3/30/2010	9/26/2017

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END920165798US2	US	9167277	12/776098	5/7/2010	10/20/2015
END920165799US10	US	8612796	13/753432	1/29/2013	12/17/2013
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END920165799US14	US	9405607	14/014692	8/30/2013	8/2/2016
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END920165799US4	US	9081675	14/302377	6/11/2014	7/14/2015
END920165799US5	US	9098409	14/302390	6/11/2014	8/4/2015
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END920165900US10	US	10289505	15/203909	7/7/2016	5/14/2019
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END920165900US15	US	10282118	15/342633	11/3/2016	5/7/2019
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END920165902US4	US	9049463	14/194961	3/3/2014	6/2/2015

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END920165902US9	US	8522074	12/842932	7/23/2010	8/27/2013
END920165907US2	US	9424326	13/959702	8/5/2013	8/23/2016
END920165907US3	US	10013471	15/223707	7/29/2016	7/3/2018
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END920165674US04	US	10140182	15/841759	12/14/2017	11/27/2018
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END920165675US3	US	10275313	15/705782	9/15/2017	4/30/2019
END920165736US7	US	9110593	14/331676	7/15/2014	8/18/2015
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END920165741US5	US	9135114	14/481245	9/9/2014	9/15/2015
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END920165741US8	US	9208026	14/505835	10/3/2014	12/8/2015
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END920165744US4	US	8914609	14/230446	3/31/2014	12/16/2014
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END920165747US3	US	9037904	14/479905	9/8/2014	5/19/2015
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END920165817US5	US	8140777	12/499489	7/8/2009	3/20/2012

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END920165001US05	US	15/832316	12/5/2017	2018-0095825
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END920165001US07	US	15/822302	11/27/2017	2018-0075047
END920165001US08	US	15/839426	12/12/2017	20180101439
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