

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT7105950

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ETHICON LLC	04/05/2021
RECEIVING PARTY DATA	
Name:	CILAG GMBH INTERNATIONAL
Street Address:	GUBELSTRASSE 34
City:	ZUG
State/Country:	SWITZERLAND
Postal Code:	6300
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17485933
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	END7993USCNT3/160168MC3
NAME OF SUBMITTER:	CARA M. PINTO
SIGNATURE:	/Cara M. Pinto/
DATE SIGNED:	01/05/2022
Total Attachments: 62	
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PATENT ASSIGNMENT FOR DOMESTIC PATENTS

WHEREAS, Ethicon LLC, a limited liability company organized under and pursuant to the laws of Delaware, having its principal place of business at #475 Street C, Suite 401 Los Frailes Industrial Park, Guaynabo, Puerto Rico 00969 (“**Assignor**”), is the exclusive owner of a portfolio of inventions, discoveries, patents, and patent applications (the “**Patents**”);

WHEREAS, Cilag GmbH International, a company incorporated under the laws of Switzerland, having its registered office at Gubelstrasse 34, 6300 Zug, Switzerland (“**Assignee**”), is desirous of acquiring the right, title and interest in, to and under certain of said Patents and the inventions covered thereby; and

WHEREAS, this Patent Assignment for Domestic Patents is being entered into pursuant to that certain Distribution Agreement between Assignor and Assignee (the “**Distribution Agreement**”).

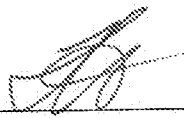
NOW, THEREFORE, for good and valuable consideration, as recited in the Distribution Agreement, the receipt and sufficiency of which are hereby acknowledged, effective as of 10:00 am Eastern Daylight Time on April 5, 2021 (the “**Effective Date**”), Assignor hereby assigns, sells, transfers and sets over to Assignee, its successors and assigns, all of Assignor’s right, title and interest in and to the patents and patent applications listed on Schedule A attached hereto (which is incorporated into and made a part of this Patent Assignment for Domestic Patents) and all patents and applications claiming priority thereto, including all provisionals, continuations, divisionals, continuations-in-part, substitutes or reissues, reexaminations, extensions, utility models, designs and any other patent or application that claims or derives priority therefrom, together with all rights to sue, make claims, and recover any remedy for any past (except with respect to Distributor’s Retained Past Damages Claims, as defined in the Distribution Agreement), present or future infringement, damage or injury (and including the right to take over and continue any and all existing suits) to any of the foregoing and collect profits or damages or recover any remedy with respect to same, the same to be held and enjoyed hereinafter by Assignee for its own use and for the use of its successors and assigns.

In the event of any conflict or inconsistency between the terms of this Patent Assignment for Domestic Patents and the terms of the Distribution Agreement, the terms of the Distribution Agreement will prevail. Nothing contained herein shall be deemed to alter, modify, expand or diminish the terms of the Distribution Agreement.

[Signature Page Follows]

IN WITNESS WHEREOF, the undersigned parties have caused this Patent Assignment for Domestic Patents to be effective as of 10:00 am Eastern Daylight Time on the Effective Date.

ETHICON LLC

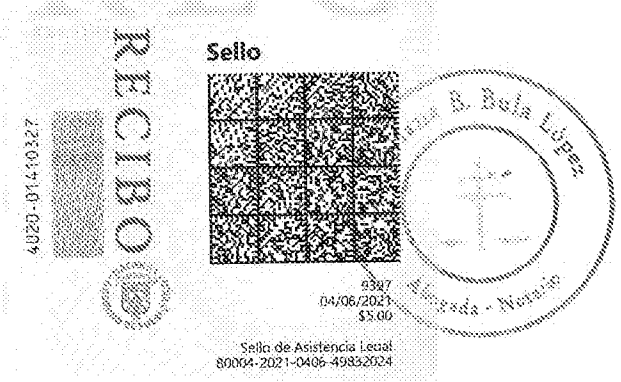
By: 
Name: *Francisco Aponte*
Title: *President*

CILAG GMBH INTERNATIONAL

By: _____
Name:
Title:

By: _____
Name:
Title:

Sworn and subscribe before me by Francisco Aponte of legal age - this 22nd day of April, 2021. In Guaynabo, Puerto Rico; the subscriber is personally known by me.
Affidavit No. 1,836



[Signature]
Notary Public
My commission never expires.

[SIGNATURE PAGE OF PATENT ASSIGNMENT FOR DOMESTIC PATENTS]

APOSTILLE

(Convention de la Haye du 5 octobre 1961)

1. Country: United States of America
This public document
El presente documento público

2. has been signed by MARIANA B. BULA LOPEZ
ha sido firmado por

3. acting in the capacity of Notary Public
quien actúa en calidad de

4. and bears the seal/stamp of Notary of Puerto Rico
y está revestido del sello/timbre de

CERTIFIED

certificado

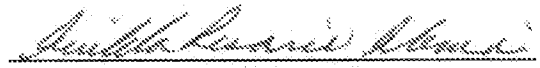
5. at San Juan, Puerto Rico
en

6. on April 23, 2021
a

7. by Secretary of State of the Government of Puerto Rico
por

8. No. 109084
bajo el número

Correct Certify:



Authorized Officer

9. Seal/Stamp
Sello

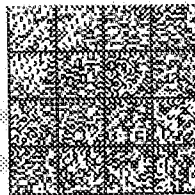
10. Signature:
Firma



Lawrence N. Seilhamer Rodríguez
Secretary of State



Sello



1019-02365649

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04/23/2021
\$3.00

Sello de Rentas Internas
80004-2021-0422-39102026

PATENT


REEL: 058646 FRAME: 0454


IN WITNESS WHEREOF, the undersigned parties have caused this Patent Assignment for Domestic Patents to be effective as of 10:00 am Eastern Daylight Time on the Effective Date.

ETHICON LLC

By: _____
Name:
Title:

CILAG GMBH INTERNATIONAL

By: 
Name: Pascal Marn
Title: Managing Officer

By: 
Name: Andrea Ostinelli
Title: Managing Officer

[SIGNATURE PAGE OF PATENT ASSIGNMENT FOR DOMESTIC PATENTS]

BEGLAUBIGUNG / NOTARIAL CERTIFICATE / LEGALISATION

Die Echtheit der Unterschrift von / The authenticity of the signature of / L'authenticité de la signature de

Nachname(n)
Last Name(s) Hoorn
Nom(s) de famille

Vorname(n)
First Name(s) Pascal Richard
Prénom(s)

Geburtsdatum
Date of Birth 22.02.1969
Date de naissance

Geschlecht
Gender f m
Sexe

Heimatort / Nationalität
Place of Origin / Nationality Aaldorf UR
Lieu d'origine / Nationalité

basierend auf
based on Pass Nr.
fondée sur Passport No.
Passeport N°

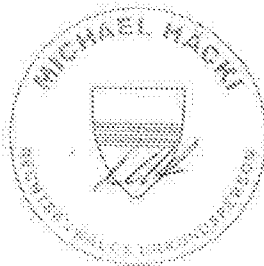
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Carte d'identité N°

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Issuing country of documents providing Schweiz
Pays d'émission du document d'identité

Wohnort
Residence 6330 Cham
Résidence

wird beglaubigt / is certified / est certifiée.

Zug. 21. 11. 2021 Notar / Notary Public / Notaire



BEGLAUBIGUNG / NOTARIAL CERTIFICATE / LEGALISATION

Die Echtheit der Unterschrift von / The authenticity of the signature of / L'authenticité de la signature de

Nachname(n)
Last Name(s) Ostinelli
Nom(s) de famille

Vorname(n)
First Name(s) Andrea
Prénom(s)

Geburtsdatum
Date of Birth 30.12.1958
Date de naissance

Geschlecht
Gender f m
Sexe

Heimatort / Nationalität
Place of Origin / Nationality Italien
Lieu d'origine / Nationalité

basierend auf
based on Pass Nr. YA4495037
fondée sur Passport No. YA4495037
Passeport N°

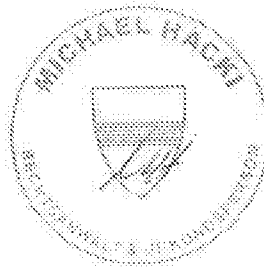
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Ausgabeland des Ausweisdokuments
Issuing country of documents providing ITA
Pays d'émission du document d'identité

Wohnort
Residence 6313 Menzingen ZG
Résidence

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Zug. 21. 11. 2021 Notar / Notary Public / Notaire



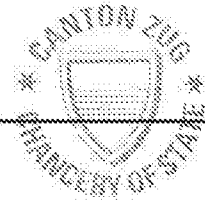
Apostille

(Convention de la Haye du 5 octobre 1961)

1. Country: Swiss Confederation, Canton of Zug
This public document
2. has been signed by **Michael Häcki**
3. acting in the capacity of **Notary Public**
4. bears the stamp of **Notary Public of the
Canton of Zug**
Certified
5. at 6300 Zug
6. The 21 April 2021
7. by Chancery of State of the Canton of Zug
8. under No. **6667** / 21
9. Stamp

10. Signature

Rita Pirali



Schedule A

Domestic Patents and Patent Applications

Case reference	Country	Filing	Filing Number	Publication Number	Grant Number
AUR6136USNP1	United States Of America	18 Jun 2020	16/946363		
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END5168USANP	United States Of America	17 Sep 2004	10/943214	US-2005-0070946-A1	8029475
END5169USA	United States Of America	17 Dec 2004	11/014244	US-2006-0135977	7481795
END5170USANP	United States Of America	17 Sep 2004	10/943221		8206411
END5171USANP	United States Of America	17 Sep 2004	10/943222	US-2005-0070947-A1	
END5173USA	United States Of America	17 Dec 2004	11/014245	US-2006-0135978-A1	7163525

END5174USA	United States Of America	17 Dec 2004	11/013924	US-2006-0135972-A1	7371227
END5175USMOD	United States Of America	08 Feb 2005	29/222994		D541417
END5178USNP	United States Of America	08 Mar 2004	10/795680	US-2005-0197577-A1	7247141
END5179USNP	United States Of America	17 Sep 2004	10/943220	US-2005-0077689-A1	7785294
END5180USCIP1	United States Of America	02 Sep 2005	11/217673	US-2006-0021891	7677392
END5181USAPSP	United States Of America	30 Sep 2003	60/506785		
END5181USANP	United States Of America	17 Sep 2004	10/943218		
END5182USNP	United States Of America	17 Sep 2004	10/943213		7597701
END5187USPCT	United States Of America	30 Sep 2004	11/662033	US-2008-0093415-A1	7735704
END5205USNP	United States Of America	25 Mar 2003	10/396959	US-2004-0193185-A1	7105000
END5220USNP	United States Of America	22 Oct 2004	10/971419	US-2006-0089624-A1	7452357
END5260USNP	United States Of America	15 Dec 2006	11/611215	US-2008-0146882-A1	8197404
END5261USMOD	United States Of America	08 Feb 2005	29/222999		D542918
END5311USNP	United States Of America	16 Apr 2004	10/825952	US-2005-0240125-A1	7494467
END5314USANP	United States Of America	15 Apr 2004	10/825090	US-2005-0240124-A1	
END5314USDIV1	United States Of America	13 Apr 2009	12/422340	US-2009-0198156-A1	
END5315USCIP3	United States Of America	30 Sep 2005	11/162985	US-2006-0047306-A1	7407074
END5315USNP6	United States Of America	21 Jun 2005	11/157767	US-2006-0022015-A1	7143925
END5315USNP2	United States Of America	29 Mar 2005	11/092053	US-2006-0025810-A1	8057508
END5315USNP4	United States Of America	31 Mar 2005	11/095428	US-2006-0025811-A1	7857183
END5315USNP5	United States Of America	31 Mar 2005	11/096096	US-2006-0022014-A1	7487899
END5315USNP7	United States Of America	01 Jun 2005	11/141753	US-2006-0025813-A1	8905977
END5315USNP8	United States Of America	14 Jul 2005	11/181046	US-2006-0060630-A1	7513408
END5315USNP9	United States Of America	14 Jul 2005	11/181471	US-2006-0025816-A1	7147138
END5315USAPSP	United States Of America	28 Jul 2004	60/591694		
END5315USCIP1	United States Of America	30 Sep 2005	11/240836	US-2006-0212069-A1	7784663
END5315USCIP2	United States Of America	30 Sep 2005	11/162984	US-2006-0047305-A1	7914551
END5315USCIP4	United States Of America	30 Sep 2005	11/162986	US-2006-0025817-A1	7404509
END5315USCIP5	United States Of America	30 Sep 2005	11/162988	US-2006-0041273-A1	7407077
END5315USCIP6	United States Of America	30 Sep 2005	11/162989	US2006-0047307A1	8317074
END5315USCIP7	United States Of America	30 Sep 2005	11/162990	US-2006-0047308-A1	7410086
END5315USCIP8	United States Of America	30 Sep 2005	11/162991	US-2006-0047302-A1	7862579
END5315USCIP9	United States Of America	30 Sep 2005	11/162992	US2006-0047303A1	7879070
END5315USCNT2	United States Of America	07 Feb 2014	14/175148	US-2014-0151434	9282966
END5315USCNT3	United States Of America	23 Oct 2014	14/521748	US-2015-0041518	9510830
END5315USCNT5	United States Of America	08 Mar 2016	15/064050	US-2016-0183947-A1	9585663
END5315USCNT7	United States Of America	08 Mar 2016	15/064113	US-2016-0183950-A1	9737302
END5315USCNT4	United States Of America	10 Sep 2015	14/850030	US-2016/0000441	9737303
END5315USCNT16	United States Of America	17 Aug 2017	15/679309	US-2018-0028184-A1	10799240
END5315USCNT18	United States Of America	15 Apr 2019	16/384011	US-2019-0307452	
END5315USCNT20	United States Of America	15 Apr 2019	16/384045	US-2019-0307453	
END5315USCNT21	United States Of America	15 Apr 2019	16/384054	US-2019-0307454-A1	
END5315USCNT22	United States Of America	15 Apr 2019	16/384062	US-2019-0307455-A1	
END5315USCNT24	United States Of America	15 Apr 2019	16/384084	US 2019-0298362	
END5315USCNT25	United States Of America	15 Apr 2019	16/384096	US-2019-0307456-A1	
END5315USCNT26	United States Of America	15 Jul 2020	16/929396	US2021-0000467A1	
END5315USCNT27	United States Of America	24 Sep 2020	17030723		
END5315USCNT28	United States Of America	24 Sep 2020	17/030726		
END5340USANP	United States Of America	18 May 2004	10/848550	US-2005-0261586-A1	7883468
END5340USCNT1	United States Of America	18 Jun 2010	12/818261	US-2010-0256490-A1	
END5341USANP	United States Of America	21 May 2004	10/850959	US-2005-0261610-A1	7695436
END5346USANP	United States Of America	20 May 2004	10/850038	US-2005-0261585-A1	7951095
END5346USCNT1	United States Of America	21 Apr 2011	13/091693	US-2011-0201975-A1	
END5347USANP	United States Of America	21 May 2004	10/850984	US-2005-0261611-A1	7473250
END5347USDIV1	United States Of America	25 Jun 2008	12/145635	US-2008-0287837-A1	
END5355USNP	United States Of America	30 Mar 2005	11/092744	US-2006-0229655-A1	
END5356USNP	United States Of America	30 Mar 2005	11/092743	US-2006-0229654-A1	7637896
END5356USCNT1	United States Of America	17 Nov 2009	12/619953	US-2010-0106176-A1	8221364
END5358USNP	United States Of America	31 Mar 2005	11/094204	US-2006-0229514-A1	7335997
END5358USDIV1	United States Of America	19 Dec 2007	12/000939	US-2008-0103515-A1	7821143
END5363USNP	United States Of America	14 Jun 2004	10/867498	US20050277955A1	8211119
END5369USANP	United States Of America	14 Jun 2004	10/867411	US-2005-0277952-A1	7331968
END5369USDIV1	United States Of America	18 Jan 2008	12/016410	US-2008-0167665-A1	
END5387USPSP	United States Of America	08 Oct 2004	60/617427		
END5387USPSP1	United States Of America	02 May 2005	60/676709		
END5387USNP2	United States Of America	07 Oct 2005	11/246826	US-2006-0079879-A1	
END5387USNP3	United States Of America	07 Oct 2005	11/246264	US-2006-0079875-A1	8057467
END5387USNP4	United States Of America	07 Oct 2005	11/246384	US-2006-0079877	

END5387USNP5	United States Of America	07 Oct 2005	11/246330	US-2006-0079876-A1	7846155
END5387USNP	United States Of America	07 Oct 2005	11/245819	US-2006-0079874-A1	
END5387USNP1	United States Of America	07 Oct 2005	11/246794	US-2006-0079878-A1	7544200
END5387USCNT1	United States Of America	19 May 2009	12/468130	US-2009-0223033-A1	
END5387USDIV1	United States Of America	16 Apr 2010	12/761431	US-2010-0222713-A1	8715306
END5387USDIV2	United States Of America	05 May 2014	14/269546	US-2014-0243863-A1	9901359
END5387USDIV3	United States Of America	06 Apr 2018	15/947433	US 2018-0221049	10537352
END5387USCNT2	United States Of America	26 Feb 2018	15/904828	US-2018-0177521	
END5387USCNT3	United States Of America	23 Sep 2019	16/578798	US 2020-0085466	
END5387USCNT4	United States Of America	24 Jun 2020	16/910654	US-2020-032553-A1	
END5418USCNT2	United States Of America	18 Oct 2019	16/656754	US 2020-0046349	
END5450USCIP	United States Of America	02 Dec 2004	11/003267	US-2005-0119646-A1	
END5450USPSP	United States Of America	13 Nov 2002	60/426030		
END5450USNP	United States Of America	13 Nov 2003	10/714126	US-2004-0172017-A1	7060063
END5450USCNT1	United States Of America	11 May 2006	11/433272		7189232
END5450USCNT2	United States Of America	12 Mar 2007	11/717273	US2007-0173807-A1	
END5461USNP	United States Of America	21 Dec 2004	11/017893	US-2006-0136029-A1	7407503
END5463USNP	United States Of America	26 Jan 2005	11/043516	2006-0167451-A1	7481225
END5465USNP	United States Of America	01 Feb 2005	11/047934	2006-0173402-A1	7278992
END5468USNP	United States Of America	21 Mar 2006	11/385540	US-2007-0225754-A1	
END5495USNP	United States Of America	28 Mar 2005	11/091224	US-2006-0217743-A1	7621927
END5517USNP	United States Of America	10 Nov 2005	11/271234	US-2007-0102476-A1	7354447
END5517USCNT1	United States Of America	30 Mar 2007	11/731521	US2007-0170225-A1	
END5517USCIP1	United States Of America	29 Jan 2010	12/696397	US-2010-0181364-A1	8215531
END5517USCNT2	United States Of America	26 Mar 2008	12/055342	US-2009-0242610-A1	
END5517USCNT3	United States Of America	09 Jul 2012	13/544128	US-2012-0273551-A1	8517244
END5517USCNT4	United States Of America	29 Jul 2013	13/952937	US-2013-0313306	9603991
END5517USCNT5	United States Of America	20 Mar 2017	15/463802	US-2017-0319777	10293100
END5517USCNT6	United States Of America	20 May 2019	16/416983	US-2020-0046893	
END5519USNP	United States Of America	14 Apr 2005	10/907763	US-2006-0235437-A1	7297149
END5519USDIV1	United States Of America	09 Oct 2007	11/869105	US-2008-0027465-A1	8753356
END5519USCNT1	United States Of America	09 Oct 2007	11/869124	US-2008-0027466-A1	8075571
END5519USDIV2	United States Of America	08 May 2014	14/273196	US-2014-0303650-A1	9782181
END5519USCNT2	United States Of America	21 Jul 2017	15/656519		10667824
END5522USNP	United States Of America	14 Apr 2005	10/907766	US-2006-0235440-A1	7686820
END5522USCNT1	United States Of America	29 Mar 2010	12/748959	US-2010-0185215-A1	8246634
END5522USCNT2	United States Of America	19 May 2011	13/111351	US-2011-0218553-A1	8328822
END5523USNP	United States Of America	14 Apr 2005	10/907768	US-2006-0235441-A1	7731724
END5523USCIP1	United States Of America	15 Sep 2005	11/162584	US-2006-0235442-A1	7740641
END5523USCIP2	United States Of America	15 Sep 2005	11/162587	US-2006-0235443-A1	8038686
END5523USCNT1	United States Of America	11 Jun 2010	12/813547		8246635
END5523USCNT2	United States Of America	19 May 2011	13/111400	US-2011-0224696-A1	8216257
END5523USCNT3	United States Of America	19 May 2011	13/111328	US-2011-0218555-A1	8821516
END5523USCNT4	United States Of America	01 Aug 2014	14/449917	US-2014-0343578-A1	9717504
END5523USCNT5	United States Of America	14 Jun 2017	15/622398	US-2017-0273689	10639045
END5523USCIP3	United States Of America	15 Sep 2005	11/162588	US-2006-0235444-A1	8523882
END5568USNP	United States Of America	23 Mar 2006	11/277323	US-2007-0221700-A1	8721630
END5568USNP1	United States Of America	23 Mar 2006	11/277324	US-2007-0225562-A1	
END5568USNP2	United States Of America	23 Mar 2006	11/277328	US-2007-0221701-A1	8236010
END5568USCIP2	United States Of America	27 May 2011	13/118194	US-2011-0295242-A1	8992422
END5568USCIP1	United States Of America	01 Mar 2011	13/037424	US-2011-0163146-A1	
END5568USCNT1	United States Of America	17 Feb 2011	13/029797	US-2011-0144430-A1	9149274
END5568USCNT2	United States Of America	09 Feb 2012	13/369594	US-2012-0199632-A1	9301759
END5568USCNT3	United States Of America	18 Jul 2012	13/552232		9402626
END5568USCNT4	United States Of America	14 Sep 2012	13/616263	US-2013-0012931-A1	8911471
END5568USCNT5	United States Of America	14 Mar 2013	13/803862	US-2013-0197556-A1	9492167
END5568USCNT8	United States Of America	14 Mar 2016	15/069127	US2016-0192996A1	10213262
END5568USCNT6	United States Of America	10 Jun 2014	14/300837		
END5568USCNT7	United States Of America	09 Dec 2014	14/564338	US-2015-0090759-A1	10070861
END5568USCNT9	United States Of America	14 Mar 2016	15/069137	US2016-0192997A1	10064688
END5568USCNT10	United States Of America	15 Nov 2017	15/814343	US-2018-0132952	
END5568USCNT11	United States Of America	03 Oct 2018	16/150688	US-2019-0099229-A1	
END5568USCNT12	United States Of America	27 Sep 2019	16/585709	US 2020-0093550	
END5573USNP	United States Of America	29 Nov 2005	11/164557	US-2007-0123849-A1	7815636
END5675USCNT28	United States Of America	26 Jun 2018	16/019006	US-2018-0317918-A1	10524790
END5675USCNT29	United States Of America	26 Jun 2018	16/019013	US-2019-0029681-A1	10932774
END5675USCNT30	United States Of America	26 Jun 2018	16/019105	US-2019-0000454	10869664
END5675USNP	United States Of America	31 Aug 2005	11/216562	US-2007-0045379-A1	7669746

END5675USCIP1	United States Of America	28 Feb 2007	11/711979	US2007-0194081-A1	8317070
END5675USCIP2	United States Of America	28 Feb 2007	11/711977	US-2007-0194080-A1	7673781
END5675USCIP4	United States Of America	28 Feb 2007	11/712315	US-2007-0262116-A1	7500979
END5675USCIP5	United States Of America	28 Feb 2007	11/711975	US-2007-0194079-A1	
END5675USCNT1	United States Of America	28 Jan 2010	12/695359		8464923
END5675USCIP6	United States Of America	27 May 2011	13/118278	US-2011-0290851-A1	9237891
END5675USCNT2	United States Of America	03 Feb 2011	13/020263	US-2011-0147434-A1	8636187
END5675USCNT3	United States Of America	09 Feb 2012	13/369629	US-2012-0138660-A1	8800838
END5675USCNT4	United States Of America	12 Mar 2013	13/795122	US-2013-0186936-A1	9326768
END5675USCNT13	United States Of America	28 Oct 2013	14/064940	US-2014-0048582-A1	9307988
END5675USCNT5	United States Of America	13 Aug 2013	13/965877	US-2013-0327809-A1	9561032
END5675USCNT6	United States Of America	15 Aug 2013	13/967388	US-2013-0334283	
END5675USCNT7	United States Of America	15 Aug 2013	13/967449	US-2013-0334284	10159482
END5675USCNT8	United States Of America	15 Aug 2013	13/967716	US-2013-0327810-A1	9839427
END5675USCNT9	United States Of America	20 Aug 2013	13/970971	US-2013-0334285	
END5675USCNT10	United States Of America	20 Aug 2013	13/971006	US-2013-0334286	9844373
END5675USCNT11	United States Of America	20 Aug 2013	13/971012	US-2013-0334287-A1	9795382
END5675USCNT12	United States Of America	20 Aug 2013	13/971022	US-2013-0334288-A1	9848873
END5675USCNT17	United States Of America	08 Sep 2015	14/847804	US-2015-0374368-A1	10245035
END5675USCNT16	United States Of America	12 Mar 2015	14/645528	US-2015-0182222-A1	10070863
END5675USCNT15	United States Of America	12 Mar 2014	14/206713	US-2014-0191015	9592052
END5675USCNT14	United States Of America	12 Mar 2014	14/206700	US-2014-0191014	9757130
END5675USCNT20	United States Of America	17 Mar 2016	15/073168	US-2016-0192933-A1	10245032
END5675USCNT26	United States Of America	28 Apr 2016	15/141597	US-2016-0242777-A1	10420553
END5675USCNT25	United States Of America	28 Apr 2016	15/141573	US2016-0242776-A1	10321909
END5675USCNT22	United States Of America	28 Apr 2016	15/140765	US2016-0235405A1	10463369
END5675USCNT24	United States Of America	28 Apr 2016	15/141550	US-2016-0235406	10278697
END5675USCNT19	United States Of America	10 Sep 2015	14/850570	US-2015-0374379-A1	10271845
END5675USCNT27	United States Of America	13 Mar 2017	15/457315		10729436
END5675USCIP3	United States Of America	28 Feb 2007	11/714049	US-2007-0194082-A1	
END5675USCNT31	United States Of America	01 Apr 2019	16/371711	US 2019-0274677	
END5675USCNT32	United States Of America	01 Apr 2019	16/371724	US 2019-0274678	
END5675USCNT33	United States Of America	01 Apr 2019	16/371735	US 2019-0274679	
END5675USCNT34	United States Of America	01 Apr 2019	16/371749	US 2019-0274680	
END5675USCNT35	United States Of America	30 May 2019	16/426514	US-2019-0343518-A1	
END5675USCNT36	United States Of America	28 Aug 2019	16/553781	US-2020-0078016-A1	
END5675USCNT37	United States Of America	04 Nov 2019	16/672897	US-2020-0305871-A1	
END5675USCNT38	United States Of America	25 Sep 2020	17/032008		
END5675USCNT39	United States Of America	25 Sep 2020	17/032013		
END5698USDIV1	United States Of America	25 Mar 2010	12/731347	US-2010-0179382-A1	8858571
END5698USCNT1	United States Of America	06 Oct 2014	14/506929	US2015-0083783A1	9895147
END5698USCNT4	United States Of America	06 Apr 2015	14/679486	US2015-0209031A1	10149679
END5698USCNT2	United States Of America	06 Apr 2015	14/679441		10028742
END5698USCNT3	United States Of America	06 Apr 2015	14/679470	US-2015-0209039-A1	9968356
END5698USCNT5	United States Of America	27 Jun 2018	16/020031	US-2019-0000450-A1	10806449
END5698USCNT6	United States Of America	20 Jul 2018	16/041191	US-2019-0015096-A1	
END5700USNP	United States Of America	01 Dec 2006	11/607118	US-2008-0132765-A1	7749161
END5717USNP	United States Of America	23 Oct 2006	11/585351	US-2008-0147092-A1	
END5718USNP	United States Of America	20 Jan 2006	11/336274	US-2009-0131962-A2	7621930
END5718USDIV1	United States Of America	22 Oct 2009	12/603599	US-2010-0042126-A1	
END5718USDIV2	United States Of America	18 Apr 2013	13/865392	US-2013-0231691-A1	
END5718USCNT1	United States Of America	24 Aug 2016	15/245480	US-2016-0361085-A1	10779848
END5718USCNT2	United States Of America	25 Aug 2020	17/001789	US2021-0038248A1	
END5719USNP	United States Of America	22 Mar 2006	11/386399	US-2007-0225608-A1	8394115
END5721USNP	United States Of America	23 Jan 2006	11/337405	US-2007-0173872-A1	
END5722USNP	United States Of America	01 Dec 2005	11/291174	US-2007-0129723-A1	8246642
END5723USNP	United States Of America	16 Feb 2006	11/355463	US-2007-0191828-A1	7854735
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END5725USNP	United States Of America	05 Jan 2006	11/326256	US-2007-0167965-A1	
END5747USPSP	United States Of America	14 Oct 2005	60/726625		
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END5747USNP	United States Of America	11 Oct 2006	11/548407	US-2007-0191713-A1	
END5747USDIV1	United States Of America	09 Apr 2007	11/784715	US-2007-0232926-A1	
END5747USDIV2	United States Of America	09 Apr 2007	11/784726	US-2007-0239025-A1	8277471
END5747USDIV3	United States Of America	09 Apr 2007	11/784725	US-2007-0232928-A1	
END5747USDIV4	United States Of America	09 Apr 2007	11/784724	US-2007-0232927-A1	8147508

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END5747USPSP1	United States Of America	10 Oct 2007	60/978883		
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END5747USDIV6	United States Of America	19 Nov 2009	12/622172	US-2010-0094323-A1	
END5747USCNT1	United States Of America	24 Mar 2014	14/223121	US-2014-0207163-A1	
END5747USDIV7	United States Of America	06 Dec 2011	13/311695	US-2012-0078249-A1	
END5747USCNT2	United States Of America	30 Aug 2017	15/690925	US-2017-0360468-A1	10856896
END5747USCNT3	United States Of America	04 Dec 2020	17/112272		
END5770USCNT9	United States Of America	10 May 2018	15/976332	US-2018-0256184-A1	10463384
END5770USCNT10	United States Of America	10 May 2018	15/976359	US-2018-0256185-A1	10201363
END5770USNP	United States Of America	31 Jan 2006	11/344024	US-2007-0175953-A1	8186555
END5770USCNT1	United States Of America	02 Jun 2011	13/151501	US-2011-0290857-A1	8292155
END5770USCNT2	United States Of America	19 Oct 2012	13/656257	US-2013-0126582	9370358
END5770USCNT5	United States Of America	08 Apr 2016	15/094206	US-2016-0220266-A1	10463383
END5770USCNT3	United States Of America	07 Apr 2016	15/093028	US-2016-0220249-A1	10299817
END5770USCNT4	United States Of America	08 Apr 2016	15/094174	US-2016-0220268-A1	10278722
END5770USCNT6	United States Of America	31 Aug 2017	15/692746	US 2018-0055524	10709468
END5770USCNT7	United States Of America	31 Aug 2017	15/692785	US-2018-0055525-A1	10653435
END5770USCNT8	United States Of America	31 Aug 2017	15/692954	US-2018-0055526-A1	10806479
END5770USCNT11	United States Of America	18 Apr 2019	16/388158	US-2019-0307476-A1	
END5770USCNT12	United States Of America	18 Apr 2019	16/388162	US-2019-0307477-A1	
END5770USCNT13	United States Of America	18 Apr 2019	16/388226	US-2019-0307478-A1	
END5770USCNT14	United States Of America	18 Apr 2019	16/388234	US-2019-0307479-A1	
END5773USCNT14	United States Of America	07 Mar 2013	13/789076	US2013-0181033A1	10342533
END5773USNP	United States Of America	31 Jan 2006	11/343803	US-2007-0175964-A1	7845537
END5773USCIP1	United States Of America	23 Sep 2008	12/236277	US-2009-0076534-A1	8161977
END5773USCIP4	United States Of America	27 May 2011	13/118263	US-2011-0295295-A1	
END5773USCIP5	United States Of America	27 May 2011	13/118272	US-2011-0290856-A1	
END5773USCNT2	United States Of America	04 Feb 2011	13/021105	US-2011-0121052-A1	8172124
END5773USCNT3	United States Of America	04 Feb 2011	13/021121	US-2011-0174860-A1	8157153
END5773USCIP2	United States Of America	01 Mar 2011	13/037515	US-2011-0174862-A1	8820603
END5773USCIP3	United States Of America	01 Mar 2011	13/037566	US-2011-0155784-A1	8763879
END5773USCNT1	United States Of America	18 Nov 2010	12/949099	US-2011-0062212-A1	8167185
END5773USCIP6	United States Of America	13 Feb 2012	13/372195	US-2012-0292367-A1	
END5773USCNT4	United States Of America	09 Feb 2012	13/369561	US-2013-0012957-A1	8844789
END5773USCNT5	United States Of America	09 Feb 2012	13/369569		8820605
END5773USDIV1	United States Of America	02 Dec 2011	13/310107	US-2012-0074196-A1	8746529
END5773USDIV2	United States Of America	20 Mar 2012	13/424648	US-2012-0175399-A1	8752747
END5773USCNT12	United States Of America	06 Mar 2013	13/786840	US-2013-0186932	9326769
END5773USCNT7	United States Of America	26 Sep 2012	13/627246	US2013-0020376A1	
END5773USCNT8	United States Of America	27 Sep 2012	13/628674	US-2013-0026210-A1	
END5773USCNT9	United States Of America	27 Sep 2012	13/628695	US2013-0023861A1	
END5773USCNT10	United States Of America	28 Sep 2012	13/629702	US-2013-0087597-A1	
END5773USCNT11	United States Of America	28 Sep 2012	13/630433	US-2013-0026208-A1	
END5773USCNT6	United States Of America	26 Sep 2012	13/627241	US-2013-0020375-A1	
END5773USCNT13	United States Of America	06 Mar 2013	13/787637	US-2013-0184719	9326770
END5773USCNT15	United States Of America	07 Mar 2013	13/789194	US2013-0181034A1	10335144
END5773USCNT16	United States Of America	09 Mar 2013	13/791909	US-2013-0186933	10010322
END5773USCIP7	United States Of America	12 Dec 2012	13/712090	US-2013-0116668-A1	9439649
END5773USCIP8	United States Of America	12 Dec 2012	13/712118	US-2013-0116669-A1	
END5773USCIP9	United States Of America	12 Mar 2013	13/796996	US-2013-0193188-A1	9861359
END5773USCNT18	United States Of America	05 Aug 2013	13/958932	US-2013-0313304-A1	9517068
END5773USCNT30	United States Of America	19 Aug 2015	14/830202	US2015-0351755	9320520
END5773USCNT19	United States Of America	06 Jun 2014	14/298252	US-2014-0284371-A1	
END5773USCNT20	United States Of America	18 Jun 2014	14/308150	US-2014-0303645	
END5773USCNT21	United States Of America	18 Jun 2014	14/308165	US-2014-0303646-A1	10004498
END5773USCNT22	United States Of America	19 Jun 2014	14/308913	US-2014-0296873-A1	10052099
END5773USCNT23	United States Of America	19 Jun 2014	14/308927	US-2014-0296874-A1	10052100
END5773USDIV3	United States Of America	30 May 2014	14/292205	US-2014-0259591-A1	10071452
END5773USCNT26	United States Of America	11 Nov 2014	14/538145	US2015-0060518A1	
END5773USCNT27	United States Of America	11 Nov 2014	14/538420	US2015-0060519A1	
END5773USCNT28	United States Of America	11 Nov 2014	14/538446		
END5773USCNT25	United States Of America	14 Aug 2014	14/459485	US-2014-0353358	10058963
END5773USCNT29	United States Of America	20 Mar 2015	14/664333	US-2015-0196295-A1	
END5773USCNT34	United States Of America	23 Mar 2016	15/078610	US-2016-0199956-A1	
END5773USCNT35	United States Of America	25 Mar 2016	15/081420	US-2016-0262746-A1	10653417
END5773USCNT31	United States Of America	07 Mar 2016	15/062593	US-2016-0256229	

END5773USCNT32	United States Of America	07 Mar 2016	15/062607	US-2016-0262745-A1	
END5773USCNT33	United States Of America	10 Mar 2016	15/066196	US-2016-0183939	
END5773USCNT39	United States Of America	20 Sep 2016	15/270796	US-2017-0007247	10485539
END5773USCNT36	United States Of America	10 May 2016	15/151031	US-2016-0249922-A1	
END5773USCNT42	United States Of America	22 Mar 2017	15/465938	US-2017-0238928-A1	10959722
END5773USCNT40	United States Of America	16 Mar 2017	15/461069	US-2017-0311944-A1	10918380
END5773USCNT41	United States Of America	20 Mar 2017	15/463514	US-2017-0196558	
END5773USCNT38	United States Of America	20 Sep 2016	15/270748	US-2017-0007250	
END5773USCNT37	United States Of America	29 Jul 2016	15/223791	US-2017-0014129-A1	10098636
END5773USCNT43	United States Of America	25 Jul 2017	15/658629		
END5773USCNT44	United States Of America	25 Jul 2017	15/658639		
END5773USCNT45	United States Of America	25 Jul 2017	15/659063		
END5773USCNT17	United States Of America	05 Aug 2013	13/958922	US-2013-0313303-A1	9451958
END5773USCNT48	United States Of America	08 Jan 2018	15/864922	US-2019-0008509	10675028
END5773USCNT49	United States Of America	29 Jun 2018	16/023523	US-2018-0303482-A1	10842491
END5773USCNT46	United States Of America	07 Nov 2017	15/805907	US-2018-0126504	
END5773USCNT47	United States Of America	15 Nov 2017	15/814345	US-2018-0133856	10780539
END5773USCNT50	United States Of America	29 Jun 2018	16/023558	US-2018-0317919	
END5773USCNT51	United States Of America	29 Jun 2018	16/023597	US2018-0368838A1	
END5773USCNT52	United States Of America	10 Oct 2018	16/156676	US-2019-0105036-A1	
END5773USCNT53	United States Of America	11 Oct 2018	16/157336	US-2019-0105037	
END5773USCNT54	United States Of America	12 Oct 2018	16/158640	US-2019-0105039	
END5773USCNT55	United States Of America	15 Oct 2018	16/160460	US-2019-0117222	
END5773USCNT56	United States Of America	28 Dec 2018	16/234795	US 2019-0209171	
END5773USCNT57	United States Of America	28 Dec 2018	16/234798	US 2019-0209172	
END5773USCNT58	United States Of America	28 Mar 2019	16/367602	US-2019-0290263	
END5773USCNT59	United States Of America	28 Mar 2019	16/367619	US 2019-0290264	
END5773USCNT60	United States Of America	23 May 2019	16/420870	US-2019-0343514-A1	
END5773USCNT61	United States Of America	23 May 2019	16/420879	US-20190034515-A1	
END5773USCNT62	United States Of America	30 Jul 2019	16/526145	US-2020-0022702	
END5773USCNT63	United States Of America	10 Jun 2020	16/897868	US-2020-0367886	
END5773USCNT64	United States Of America	19 Jun 2020	16/906397	US-2020-0345361-A1	10952728
END5773USCNT65	United States Of America	25 Sep 2020	17/032305		
END5773USCNT66	United States Of America	11 Feb 2021	17/173845		
END5776USNP	United States Of America	31 Jan 2006	11/343547	US-2007-0179476-A1	7753904
END5776USDIV1	United States Of America	22 Jun 2010	12/820820	US-2010-0305552-A1	9289225
END5776USCNT4	United States Of America	20 Aug 2019	16/545420	US2020-0077994A1	
END5776USCNT5	United States Of America	17 Aug 2020	16/995023		
END5779USNP	United States Of America	27 Jun 2006	11/475412	US-2007-0295780-A1	8322455
END5779USCNT1	United States Of America	29 Oct 2012	13/662950	US-2013-0048697-A1	9320521
END5779USCNT3	United States Of America	18 Mar 2016	15/074226	US-2016-0199061	10420560
END5779USCNT2	United States Of America	02 Mar 2016	15/059566	US-2016-0183945-A1	10314589
END5779USCNT4	United States Of America	23 Sep 2019	16/578902	US2020-0155155A1	
END5780USCNT3	United States Of America	15 Aug 2019	16/541634	US-2020-0038016	
END5821USNP	United States Of America	18 Jul 2006	11/458328	US-2008-0021359-A1	8231527
END5822USNP	United States Of America	15 Dec 2006	11/611193	US-2008-0146884-A1	7819800
END5824USNP	United States Of America	18 Apr 2006	11/379168	US-2007-0255218-A1	7789861
END5824USCNT1	United States Of America	02 Jul 2010	12/829727	US-2012-0004613-A1	8728037
END5824USCNT2	United States Of America	17 Apr 2014	14/255592	US-2014-0316338-A1	9814491
END5825USNP	United States Of America	09 Mar 2007	11/716029	US-2008-0221389-A1	8002786
END5831USNP	United States Of America	28 Sep 2006	11/536149		7302993
END5831USDIV1	United States Of America	30 Oct 2007	11/927933	US-2008-0118771-A1	
END5831USCNT1	United States Of America	03 Dec 2007	11/949262	US-2008-0121365-A1	7762308
END5832USNP	United States Of America	19 Dec 2006	11/612670	US-2008-0142187-A1	7914901
END5834USNP	United States Of America	19 May 2006	11/419384	US-2008-0097520-A1	
END5834USDIV1	United States Of America	15 Dec 2009	12/638408	US-2010-0088877-A1	8419766
END5835USNP	United States Of America	21 Jun 2006	11/425525		7479752
END5835USCNT1	United States Of America	09 Dec 2008	12/331110	US-2009-0088603-A1	7605559
END5835USCNT2	United States Of America	19 Oct 2009	12/581464	US-2010-0042141-A1	8179074
END5848USNP	United States Of America	20 Sep 2006	11/533506	US-2008-0071208-A1	
END5850USNP	United States Of America	11 Oct 2006	11/548469	US-2008-0171987-A1	7833199
END5850USCNT1	United States Of America	11 Oct 2010	12/901862	US-2012-0089094-A1	8257315
END5850USCNT2	United States Of America	06 Aug 2012	13/567714	US-2013-0030372-A1	
END5850USCNT3	United States Of America	21 Mar 2017	15/464829	US-2017-0189062-A1	10265095
END5850USCNT4	United States Of America	14 Mar 2019	16/352944	US-2019-0223907-A1	
END5853USNP	United States Of America	18 Jul 2006	11/458329	US-2008-0021360-A1	
END5881USPSP	United States Of America	01 Jun 2006	60/809971		
END5881USNP	United States Of America	22 May 2007	11/751733	US-2007-0282332-A1	8366727

END5881USNP1	United States Of America	22 May 2007	11/751737	US-2007-0282333-A1	
END5881USNP2	United States Of America	22 May 2007	11/751738	US-2007-0282334-A1	8574252
END5881USNP3	United States Of America	22 May 2007	11/751741	US-2007-0282335-A1	8114104
END5881USDP	United States Of America	26 Aug 2009	29/342473		D617163
END5881USDIV1	United States Of America	18 Jun 2012	13/525808	US-2012-0253373-A1	8435258
END5881USCNT1	United States Of America	08 Apr 2013	13/858484	US-2013-0338691-A1	9023072
END5881USCNT2	United States Of America	29 Apr 2015	14/699592	US-2015-0245849-A1	
END5881USDPI	United States Of America	04 May 2015	29/525846		D767353
END5913USNP	United States Of America	02 Aug 2006	11/497898	US-2008-0029576-A1	7740159
END5913USDIV1	United States Of America	17 May 2010	12/781575	US-2010-0224669-A1	8631987
END5915USNP	United States Of America	28 Mar 2007	11/729355	US-2008-0237298-A1	7490749
END5916USNP	United States Of America	28 Mar 2007	11/729013	US-2008-0237296-A1	8056787
END5917USNP	United States Of America	28 Mar 2007	11/729008	US-2009-0012556-A1	8893946
END5918USNP	United States Of America	11 Jan 2007	11/652169	US-2008-0169332-A1	
END5918USCNT1	United States Of America	12 Mar 2013	13/795963	US-2013-0186934-A1	9730692
END5918USCNT2	United States Of America	28 Aug 2013	14/012831	US2013-0341374A1	
END5918USCNT3	United States Of America	29 Aug 2013	14/013755	US-2014-0001240-A1	9724091
END5919USNP	United States Of America	11 Jan 2007	11/652166	US-2008-0169331-A1	8827133
END5919USCNT1	United States Of America	28 May 2014	14/289095	US-2014-0263572-A1	9700321
END5919USCNT2	United States Of America	22 Mar 2016	15/077395	US-2016-0199088-A1	9999431
END5919USCNT4	United States Of America	24 May 2016	15/163345	US-2016-0262760-A1	9750501
END5919USCNT5	United States Of America	19 Sep 2016	15/269181	US-2017-0014125-A1	
END5920USNP	United States Of America	11 Jan 2007	11/652170	US-2008-0169333-A1	
END5921USNP	United States Of America	11 Jan 2007	11/652188	US-2008-0169327-A1	7434717
END5922USNP	United States Of America	11 Jan 2007	11/652423	US-2008-0169328-A1	
END5923USNP	United States Of America	10 Jan 2007	11/651715	US-2008-0167522-A1	8652120
END5923USCNT1	United States Of America	03 Jun 2010	12/793595	US2010-0294829-A1	8840603
END5923USCNT2	United States Of America	03 Jun 2010	12/793599	US-2010-0301091-A1	8632535
END5923USCNT3	United States Of America	07 Mar 2013	13/788429	US-2013-0190733-A1	9757123
END5923USCNT4	United States Of America	22 Sep 2014	14/492452	US-2015-0008248	
END5923USCNT5	United States Of America	11 Sep 2017	15/700477	US-2018-0070939	10517590
END5923USCNT6	United States Of America	26 Sep 2019	16/583640	US2020-0085427A1	
END5924USCNT24	United States Of America	05 Jul 2018	16/027970	US-2019-0015165-A1	
END5924USNP	United States Of America	10 Jan 2007	11/651807	US-2008-0167672-A1	8459520
END5924USCIP1	United States Of America	01 Mar 2011	13/037498	US-2011-0174861-A1	
END5924USCIP2	United States Of America	27 May 2011	13/118259	US-2011-0295270-A1	8684253
END5924USCNT1	United States Of America	14 Feb 2011	13/026493	US-2011-0132963-A1	8517243
END5924USCNT4	United States Of America	28 Sep 2012	13/631346	US-2013-0075443	8746530
END5924USCNT3	United States Of America	06 Jun 2012	13/489500	US-2012-0283707-A1	
END5924USCNT7	United States Of America	03 Dec 2014	14/559172	US-2015-0090760-A1	
END5924USCNT9	United States Of America	03 Dec 2014	14/559224	US-2015-0090762-A1	
END5924USCNT10	United States Of America	03 Dec 2014	14/559251	US2015-0083781A1	
END5924USCNT14	United States Of America	28 Apr 2016	15/140671	US2016-0235494A1	
END5924USCNT11	United States Of America	08 Sep 2015	14/847864	US-2015-0374379-A1	
END5924USCNT12	United States Of America	09 Sep 2015	14/848557	US-2016-0000437-A1	
END5924USCNT15	United States Of America	14 Jul 2017	15/650185	US-2018-0000545	
END5924USCNT16	United States Of America	18 Jul 2017	15/652621	US-2018-0008356	
END5924USCNT17	United States Of America	18 Jul 2017	15/652677	US-2018-0008357	10952727
END5924USCNT18	United States Of America	18 Jul 2017	15/652916	US-2017-0312040-A1	10278780
END5924USCNT19	United States Of America	18 Jul 2017	15/652978		
END5924USCNT20	United States Of America	18 Jul 2017	15/653073		
END5924USCNT25	United States Of America	05 Jul 2018	16/027985	US-2018-0311002-A1	10751138
END5924USCNT21	United States Of America	09 Nov 2017	15/807836	US-2018-0125590	
END5924USCNT22	United States Of America	09 Nov 2017	15/808327	US-2018-0110574-A1	10918386
END5924USCNT23	United States Of America	09 Nov 2017	15/808383	US-2018-0110575	10945729
END5924USCNT26	United States Of America	28 Dec 2018	16/234750	US-2019-0209247	
END5924USCNT27	United States Of America	28 Dec 2018	16/234761	US-2019-0209248	
END5924USCNT28	United States Of America	28 Dec 2018	16/234776	US-2019-0209249	
END5924USCNT29	United States Of America	28 Dec 2018	16/234782	US-2019-0209250	
END5924USCNT30	United States Of America	28 Mar 2019	16/367831	US2019-0216558A1	
END5924USCNT31	United States Of America	14 Jun 2019	16/441551	US-2020-0000531	
END5924USCNT32	United States Of America	19 Sep 2019	16/576076	US2020-0085518A1	
END5924USCNT33	United States Of America	14 Sep 2020	17/019562	US-2021-0059672	
END5925USNP	United States Of America	10 Jan 2007	11/651806	US-2008-0167671-A1	7954682
END5926USNP	United States Of America	10 Jan 2007	11/651768	US-2008-0164296-A1	7721931
END5927USNP	United States Of America	10 Jan 2007	11/651771	US-2008-0167736-A1	7738971
END5927USCNT1	United States Of America	14 May 2010	12/780380	US-2010-0222901-A1	

END5928USNP	United States Of America	10 Jan 2007	11/651788	US-2008-0167670-A1	7721936
END5929USCNT6	United States Of America	25 Jun 2018	16/017455	US-2019-0029701	
END5929USNP	United States Of America	11 Jan 2007	11/652165	US-2008-0169330-A1	8540128
END5929USCNT1	United States Of America	30 Aug 2013	14/014800	US-2014-0001237-A1	9775613
END5929USCNT2	United States Of America	30 Aug 2013	14/015200	US-2014-0008414-A1	9655624
END5929USCNT3	United States Of America	30 Aug 2013	14/015435	US-2014-0001238-A1	9675355
END5929USCNT4	United States Of America	30 Aug 2013	14/015509	US-2014-0001239-A1	9603598
END5929USCNT5	United States Of America	02 May 2016	15/143803	US-2016-0242783-A1	
END5930USNP	United States Of America	11 Jan 2007	11/652164	US-2008-0169329-A1	8701958
END5931USNP	United States Of America	10 Jan 2007	11/651785	US-2008-167644-A1	7900805
END5945USNP	United States Of America	15 Dec 2006	11/611167	US-2008-0146883-A1	7967748
END5948USNP	United States Of America	29 May 2007	11/807474		9271751
END5965USNP	United States Of America	29 Sep 2006	11/529904	US-2008-0078800-A1	8720766
END5965USCNT1	United States Of America	06 Mar 2013	13/787537	US-2013-0181030	8763875
END5965USCNT5	United States Of America	23 May 2014	14/286599	US-2014-0263571-A1	9179911
END5965USCNT4	United States Of America	18 Mar 2014	14/217641	US-2014-0197223	8973804
END5965USCNT3	United States Of America	28 Feb 2014	14/193644	US-2014-0175154	9603595
END5965USCNT2	United States Of America	28 Feb 2014	14/193603	US-2014-0175155	9408604
END5965USCNT8	United States Of America	13 Aug 2019	16/539176	US-2020-0038018	
END5965USCNT9	United States Of America	19 May 2020	16/878115	US-2020-0345352-A1	
END5967USCNT6	United States Of America	20 Feb 2020	16/796237	US-2020-0261106	
END5967USCNT7	United States Of America	09 Jul 2020	16/924339	US-2020-0405341-A1	
END5968USNP	United States Of America	29 Sep 2006	11/541123	US-2008-0082124-A1	7794475
END5968USCNT1	United States Of America	13 Sep 2010	12/880414	US-2011-0060363-A1	
END5968USCNT2	United States Of America	19 Nov 2012	13/680433	US-2013-0079814-A1	8808325
END5968USCIP1	United States Of America	26 Feb 2013	13/776803	US-2013-0172929-A1	10130359
END5968USCNT4	United States Of America	31 Aug 2017	15/692986	US-2018-0049740-A1	
END5968USCNT5	United States Of America	27 Jun 2018	16/019863	US-2018-0000452	
END5968USCNT6	United States Of America	20 Aug 2019	16/545630	US-2020-0038017-A1	
END5981USNP	United States Of America	13 Dec 2006	11/609978	US-2008-0147020-A1	
END6001USNP	United States Of America	06 Mar 2007	11/714267	US-2008-0221483-A1	7678046
END6002USNP	United States Of America	06 Mar 2007	11/714268	US-2008-0221607-A1	7766822
END6004USNP	United States Of America	15 May 2007	11/798633	US-2008-0284114-A1	8177713
END6005USNP	United States Of America	04 Apr 2007	11/730922	US-2008-0249371-A1	7922656
END6009USPSP	United States Of America	31 Jul 2007	60/999735		
END6009USNP	United States Of America	29 Jul 2008	12/181816	US-2009-0036914-A1	9044261
END6009USDIV1	United States Of America	01 Jun 2015	14/727470	US-2015-0257780-A1	
END6010USNP	United States Of America	27 Jul 2007	11/881602	US-2009-0030437-A1	8808319
END6010USDIV1	United States Of America	01 Aug 2011	13/195352	US-2011-0288452-A1	8652155
END6010USDIV2	United States Of America	28 Jul 2014	14/444335	US-2014-0336686-A1	9220527
END6010USDIV3	United States Of America	12 Mar 2015	14/645786	US-2015-0257781-A1	9642644
END6010USDIV4	United States Of America	12 Mar 2015	14/645796	US-2015-0265308-A1	9707004
END6010USCNT1	United States Of America	18 Jul 2017	15/653366	US-2018-0092660	10531910
END6010USCNT2	United States Of America	08 Aug 2019	16/535514	US-2020-0054386-A1	
END6013USNP	United States Of America	12 Jun 2007	11/761456	US-2008-0312496-A1	8348827
END6018USNP	United States Of America	29 Dec 2006	11/617812		
END6026USNP	United States Of America	22 Feb 2007	11/677809	US-2008-0208222-A1	8070770
END6026USNP1	United States Of America	22 Feb 2007	11/677820	US-2008-0208175-A1	8075482
END6039USPSP	United States Of America	16 Jan 2007	60/885086		
END6039USPSP1	United States Of America	28 Aug 2007	60/968357		
END6039USNP	United States Of America	15 Jan 2008	12/014378	US-2008-0200940-A1	
END6039USCNT2	United States Of America	19 Feb 2016	15/047890	US-2016-0166275-A1	
END6039USCNT1	United States Of America	07 Apr 2014	14/246808	US-2014-0222054-A1	
END6000USPSP	United States Of America	26 Jul 2005	60/702643		
END6000USPSP1	United States Of America	18 Jan 2006	60/760000		
END6000USPSP2	United States Of America	08 Jun 2006	60/811950		
END6000USNP	United States Of America	24 Jul 2006	11/491626	US-2007-0027469-A1	8579176
END6000USDIV1	United States Of America	29 Sep 2006	11/540255	US-2007-0187453-A1	7404508
END6000USDIV2	United States Of America	29 Sep 2006	11/541105	US-2007-0073341	
END6040USPSP	United States Of America	02 Jun 2006	60/810272		
END6040USPSP1	United States Of America	09 Nov 2006	60/858112		
END6040USNP1	United States Of America	10 Jan 2008	11/971998	US-2008-0172088-A1	8679154
END6040USNP	United States Of America	12 Feb 2007	11/705381	US2007/0270790A1	8038046
END6040USDIV2	United States Of America	12 Feb 2007	11/705246		8028885
END6040USNP2	United States Of America	20 Feb 2008	12/034320	US-2008-0185419-A1	8627995
END6040USPSP3	United States Of America	21 Feb 2007	60/902534		
END6040USPSP4	United States Of America	04 Oct 2007	60/977489		
END6040USPSP2	United States Of America	12 Jan 2007	60/880146		

END6000USDIV3	United States Of America	24 Aug 2007	11/844406		7419080
END6000USCIP1	United States Of America	03 Oct 2008	12/245017	US-2009-0057369-A1	7959050
END6000USDIV4	United States Of America	13 Jun 2008	12/139142	US-2008-0277447-A1	8245898
END6040USDIV3	United States Of America	14 Apr 2008	12/102464	US-2008-0245841-A1	8286846
END6040USDIV4	United States Of America	14 Apr 2008	12/102181	US-2008-0251569-A1	8573459
END6040USDIV5	United States Of America	04 Jun 2010	12/793962	US-2010-0258611	9681873
END6000USDIV5	United States Of America	08 Dec 2009	12/633292		8034077
END6040USDIV11	United States Of America	28 Oct 2010	12/778800	US-2010-0230465	9439651
END6040USDIV12	United States Of America	18 Apr 2011	13/089041	US-2011-0210156	8672951
END6040USDIV14	United States Of America	31 Aug 2011	13/222758	US-2012-0046692	8679156
END6040USDIV13	United States Of America	09 Sep 2011	13/228933	US-2012-0080475	8920435
END6040USDIV17	United States Of America	12 Sep 2012	13/611881		8827138
END6040USDIV16	United States Of America	12 Jul 2012	13/547968	US-2012-0286020	8695865
END6040USDIV19	United States Of America	17 Oct 2012	13/654073	US-2013-0098964-A1	9855038
END6040USDIV20	United States Of America	16 Jan 2013	13/743179		8844791
END6040USDIV22	United States Of America	08 May 2013	13/889931	US-2013-0248581	9675348
END6040USCIP2	United States Of America	02 Dec 2013	14/094338	US2014-0224856	9662116
END6040USDIV24	United States Of America	29 Jan 2014	14/167135	US-2014-0148848-A1	9474525
END6040USDIV27	United States Of America	09 Apr 2015	14/682889	US-2015-0230791-A1	9848872
END6040USDIV25	United States Of America	27 Jan 2014	14/164748	US2016-0331370A9	9700306
END6040USDIV23	United States Of America	27 Dec 2013	14/141563	US-20140175149	9554803
END6040USDIV26	United States Of America	01 Aug 2014	14/449611	US-2014-0371768-A1	9757127
END6040USDIV28	United States Of America	02 Mar 2017	15/447379	US2017-0238933A1	
END6040USDIV29	United States Of America	02 Mar 2017	15/447678	US-2017-0196567	
END6040USCNT2	United States Of America	20 Dec 2016	15/385385	US-2017-0095252	10314583
END6040USCNT1	United States Of America	10 May 2016	15/151377	US2016-0324524A1	10314592
END6040USCNT3	United States Of America	17 Jul 2017	15/651699	US2017-0348001A1	10675022
END6040USDIV30	United States Of America	06 Jun 2017	15/614666	US-2017-0265862-A1	10568620
END6040USDIV21	United States Of America	13 Mar 2013	13/798369	US2013-0256370	9622744
END6040USDIV15	United States Of America	09 Sep 2011	13/229076		8292157
END6040USDIV18	United States Of America	19 Sep 2012	13/622819	US-2013-0015232	9687234
END6040USDIV1	United States Of America	12 Feb 2007	11/705334	US-2007-0270884-A1	8573462
END6040USDIV31	United States Of America	25 Sep 2018	16/141565	US-2019-0021729-A1	
END6040USDIV32	United States Of America	24 Apr 2019	16/392694	US-2019-0314024	
END6040USDIV33	United States Of America	22 Apr 2019	16/390570	US 2019-0239878	
END6040USDIV34	United States Of America	09 Jan 2020	16/738771		
END6040USDIV35	United States Of America	10 Aug 2020	16/989720	US-2021-0022737	
END6049USNP	United States Of America	22 Mar 2007	11/726621	US-2008-0234709-A1	
END6049USDIV1	United States Of America	26 Mar 2010	12/732702	US-2010-0179577-A1	8236019
END6049USDIV2	United States Of America	10 Jul 2012	13/545292	US-2013-0012970-A1	9050124
END6050USNP	United States Of America	22 Mar 2007	11/726620		8142461
END6050USDIV1	United States Of America	08 Mar 2012	13/414819	US-2012-0259353-A1	8900259
END6050USCNT1	United States Of America	28 Oct 2014	14/525459	US-2015-0045819-A1	9801648
END6050USCNT2	United States Of America	16 Oct 2017	15/784879	US-2018-0168680-A1	10722261
END6051USNP	United States Of America	22 Mar 2007	11/726625	US-2008-0234710-A1	8911460
END6051USCNT1	United States Of America	09 Dec 2014	14/564629	US-2015-0119914-A1	9987033
END6051USCNT2	United States Of America	09 Dec 2014	14/564651	US-2015-0119915-A1	9883884
END6051USCNT3	United States Of America	01 Jun 2018	15/995852	US-2019-0133633-A1	10828057
END6052USNP	United States Of America	22 Mar 2007	11/726760	US-2008-0234711-A1	8226675
END6052USDIV1	United States Of America	03 Jul 2012	13/540916	US-2012-0269676-A1	9504483
END6055USNP	United States Of America	14 Sep 2007	11/855777	US-2009-0076456-A1	7918826
END6057USNP	United States Of America	29 Jun 2007	11/771263	US-2009-0005799-A1	8100929
END6057USCNT1	United States Of America	18 Jan 2012	13/353075	US2012-0116313A1	8771307
END6060USDP	United States Of America	01 Mar 2007	29/277550		D573711
END6085USNP	United States Of America	22 Jun 2007	11/821425	US-2008-0314961-A1	7597229
END6087USNP	United States Of America	30 May 2007	11/807666	US-2008-0300579-A1	7810693
END6087USCIP1	United States Of America	14 Feb 2008	12/031610	US-2008-0296343-A1	7798386
END6088USNP	United States Of America	04 Jun 2007	11/810016	US-2008-0296347-A1	7832408
END6088USDIV1	United States Of America	04 Nov 2010	12/939688	US-2011-0042441-A1	8424740
END6089USCNT10	United States Of America	12 Apr 2018	15/951744	US-2018-0296211-A1	
END6089USNP	United States Of America	04 Jun 2007	11/810015	US-2008-0300613-A1	7905380
END6089USCIP2	United States Of America	27 May 2011	13/118223	US-2011-0290854-A1	8931682
END6089USCIP1	United States Of America	01 Mar 2011	13/037409	US-2011-0155786-A1	8534528
END6089USCNT1	United States Of America	03 Feb 2011	13/020053	US-2011-0121051-A1	8196796
END6089USCNT2	United States Of America	09 Feb 2012	13/369578	US-2012-0132450-A1	8616431
END6089USCNT3	United States Of America	25 Jun 2014	14/314788	US-2014-0305993	9186143
END6089USCNT8	United States Of America	05 May 2016	15/147028	US-2016-0249911-A1	10327765
END6089USCNT5	United States Of America	07 Apr 2016	15/093020	US2016-0220246A1	9585658

END6089USCNT6	United States Of America	07 Apr 2016	15/093024	US2016-0220247A1	9795381
END6089USCNT7	United States Of America	07 Apr 2016	15/093029	US-2016-0220248-A1	10441280
END6089USCNT4	United States Of America	28 Sep 2015	14/867418	US-2016-0015390	9750498
END6089USCNT9	United States Of America	19 Jul 2017	15/654201	US-2017-0311945-A1	9987003
END6089USCNT11	United States Of America	01 Jun 2018	15/995935	US-2018-0280021	10363033
END6089USCNT12	United States Of America	01 Jun 2018	15/995942	US 2018-0280022	10299787
END6089USCNT13	United States Of America	01 Jun 2018	15/995948	US-2018-0280023	10368863
END6089USCNT14	United States Of America	28 Dec 2018	16/234755	US-2019-0209164	
END6089USCNT15	United States Of America	28 Dec 2018	16/234984	US 2019-0209165	
END6089USCNT16	United States Of America	22 May 2020	16/881535	US 2020-0352562	
END6089USCNT17	United States Of America	22 May 2020	16/881194	US2020-0281585A1	
END6090USNP	United States Of America	04 Jun 2007	11/809935	US-2008-0296345-A1	7819299
END6091USNP	United States Of America	22 Jun 2007	11/821347		7441685
END6092USNP	United States Of America	22 Jun 2007	11/821455	US-2008-0314956-A1	7549564
END6093USNP	United States Of America	31 May 2007	11/809156	US-2008-0300580 A1	8157145
END6094USNP	United States Of America	18 Jun 2007	11/820049	US-2008-0308606-A1	7588175
END6095USNP	United States Of America	18 Jun 2007	11/820119	US-2008-0308607-A1	7588176
END6096USNP	United States Of America	18 Jun 2007	11/820161	US-2008-0308604-A1	7510107
END6097USNP	United States Of America	18 Jun 2007	11/820124	US-2008-0308603-A1	
END6098USNP	United States Of America	18 Jun 2007	11/820077	US-2008-0308601-A1	7731072
END6099USNP	United States Of America	22 Jun 2007	11/821277	US-2008-0314955-A1	7753245
END6099USCIP2	United States Of America	10 Jan 2008	12/008303	US-2008-0314954-A1	7658311
END6099USCNT1	United States Of America	01 Feb 2010	12/697334	US-2010-0133318-A1	8353437
END6099USCIP3	United States Of America	22 Apr 2010	12/765330	US-2010-0264194-A1	8308040
END6099USCIP4	United States Of America	22 Apr 2010	12/765337	US-2010-0264193-A1	8408439
END6099USDIV1	United States Of America	02 Jul 2010	12/830013	US-2010-0308100-A1	8322589
END6099USCNT2	United States Of America	03 Jun 2011	13/152952	US-2011-0233258-A1	8333313
END6099USCNT3	United States Of America	26 Feb 2013	13/776862	US-2013-0168435-A1	9138225
END6099USCNT4	United States Of America	15 Sep 2015	14/854724	US-2016-0000432-A1	9662110
END6099USCNT5	United States Of America	21 Apr 2017	15/494033	US-2017-0224339	
END6099USCIP1	United States Of America	10 Jan 2008	12/008266	US-2008-0314957-A1	7954684
END6100USNP	United States Of America	22 Jun 2007	11/821426	US-2008-0314962-A1	7604150
END6101USNP	United States Of America	31 May 2007	11/809089		
END6102USNP	United States Of America	18 Jun 2007	11/820121	US-2008-0308602-A1	
END6120USNP	United States Of America	31 Jul 2007	11/888081	US-2009-0036911-A1	8252012
END6120USDIV1	United States Of America	27 Aug 2012	13/595880	US-2012-0323265-A1	8709031
END6121USNP1	United States Of America	27 Jul 2007	11/881645x	US-2009-0030439-A1	8882791
END6121USNP	United States Of America	27 Jul 2007	11/881636	US-2009-0030438-A1	8348967
END6121USDIV1	United States Of America	10 Nov 2014	14/537815	US-2015-0066067	9636135
END6121USCNT1	United States Of America	10 Nov 2014	14/537874	US-2015-0073460	9913656
END6122USNP	United States Of America	27 Jul 2007	11/881645		
END6125USNP	United States Of America	27 Jul 2007	11/881654	US-2009-0030351-A1	8257377
END6129USNP	United States Of America	31 Jul 2007	11/888171	US-2009-0036912-A1	8430898
END6129USDIV1	United States Of America	28 Mar 2013	13/852539	US-2013-0226208	9439669
END6129USDIV2	United States Of America	25 Sep 2019	16/582236	US 2020-0015798	
END6130USNP	United States Of America	30 Nov 2007	11/998758	US-2009-0143796-A1	7901423
END6130USNP1	United States Of America	30 Nov 2007			
END6130USDIV1	United States Of America	07 Feb 2011	13/022077	US-2011-0125175-A1	8182502
END6130USDIV2	United States Of America	20 Apr 2012	13/452386	US-2012-0203257-A1	8372102
END6131USNP	United States Of America	27 Jul 2007	11/881662	US-2009-0030311-A1	8523889
END6131USDIV1	United States Of America	25 Mar 2013	13/849627	US-2013-0226207-A1	9414853
END6131USCNT1	United States Of America	03 Aug 2016	15/227587	US-2016-0338726-A1	10398466
END6131USDIV2	United States Of America	29 Aug 2019	16/554894	US2019-0380733A1	
END6132USNP	United States Of America	31 Jul 2007	11/888222	US-2009-0036913-A1	8512365
END6132USCNT1	United States Of America	21 Jun 2013	13/923954	US-2013-0282039	9445832
END6132USCNT2	United States Of America	06 Sep 2016	15/257385	US-2017-0056056	10420579
END6132USCNT3	United States Of America	13 Aug 2019	16/539122	US-2020-0054899-A1	
END6152USNP8	United States Of America	29 Jun 2007	11/824524	US-2009-0001130-A1	
END6152USNP13	United States Of America	29 Jun 2007	11/824252	US-2009-0001123-A1	7735703
END6152USNP6	United States Of America	29 Jun 2007	11/823988	US-2009-0005809-A1	
END6152USNP7	United States Of America	29 Jun 2007	11/824079		7438209
END6152USCIP2	United States Of America	29 Jun 2007	11/824299	US-2008-082125-A1	
END6152USCIP1	United States Of America	29 Jun 2007	11/824136	US-2008-0082126-A1	
END6152USNP11	United States Of America	29 Jun 2007	11/824298	US-2009-0001125-A1	7673782
END6152USNP12	United States Of America	29 Jun 2007	11/824446	US-2009-0001121-A1	
END6152USNP	United States Of America	29 Jun 2007	11/824389	US-2009-0001128-A1	7669747
END6152USNP1	United States Of America	29 Jun 2007	11/824251	US-2009-0005807-A1	8991676
END6152USCIP3	United States Of America	29 Jun 2007	11/824363	US-2008-0082115-A1	7966799

END6152USNP3	United States Of America	29 Jun 2007	11/824415	US-2009-0001126-A1	7604151
END6152USNP4	United States Of America	29 Jun 2007	11/824274	US-2009-0001124-A1	8590762
END6152USNP5	United States Of America	29 Jun 2007	11/824275	US-2009-0005808-A1	8727197
END6152USCNT2	United States Of America	05 Mar 2010	12/718165	US-2010-0243709-A1	8672208
END6152USCNT1	United States Of America	16 Oct 2009	12/580763	US-2010-0032470-A1	8186560
END6152USDIV1	United States Of America	20 Apr 2011	13/090740	US-2011-0192882-A1	
END6152USCNT3	United States Of America	24 May 2012	13/480263	US-2012-0292370-A1	8668130
END6152USCNT8	United States Of America	14 Mar 2016	15/069614	US-2016-0206309	9872682
END6152USCNT4	United States Of America	26 Feb 2014	14/190973	US-2014-0175152-A1	
END6152USCNT7	United States Of America	15 Dec 2014	14/570112	US-2015-0090765-A1	9289206
END6152USCNT5	United States Of America	03 Mar 2014	14/195172	US-2014-0175156	8925788
END6152USCNT6	United States Of America	08 Dec 2014	14/562970	US-2015-0090763-A1	10172616
END6152USCNT9	United States Of America	19 Jan 2018	15/875159	US-2018-0280020	10702267
END6152USCNT10	United States Of America	27 Feb 2020	16/803068	US-2020-0297340-A1	
END6153USNP	United States Of America	06 Nov 2007	11/979638	US-2009-0118587-A1	8641608
END6154USNP	United States Of America	29 Jun 2007	11/771609	US-2009-0005800-A1	8992569
END6155USNP	United States Of America	29 Jun 2007	11/771635	US-2009-0005738-A1	7803135
END6156USNP	United States Of America	23 Jul 2007	11/781645	US-2009-0030375-A1	7967791
END6157USNP	United States Of America	07 Dec 2007	11/952464	US-2009-0149813-A1	7976501
END6157USCNT1	United States Of America	24 Jun 2011	13/168040	US-2011-0257598	8672890
END6158USNP	United States Of America	24 Sep 2007	11/902662	US-2009-0082631-A1	8308755
END6191USNP	United States Of America	30 Oct 2007	11/928118		8142354
END6193USNP	United States Of America	30 Oct 2007	11/928177		8273017
END6211USNP	United States Of America	15 Feb 2008	12/031814	US-2009-0206137-A1	
END6212USNP	United States Of America	15 Feb 2008	12/031863	US-2009-0206139-A1	
END6213USNP	United States Of America	14 Feb 2008	12/031628	US-2009-0206136-A1	7793812
END6213USCIP1	United States Of America	27 May 2011	13/118210	US-2011-0290855-A1	8752749
END6213USCNT1	United States Of America	13 Aug 2010	12/856099	US-2010-0301096-A1	8196795
END6213USCNT2	United States Of America	08 Feb 2011	13/023238	US-2011-0132965-A1	8540130
END6213USCNT3	United States Of America	09 Feb 2012	13/369666	US-2012-0205421	8573465
END6213USCNT4	United States Of America	15 Mar 2013	13/832522	US-2013-0200132-A1	9084601
END6213USCNT6	United States Of America	20 May 2014	14/282494		8998058
END6213USCNT7	United States Of America	21 May 2014	14/283729		8991677
END6213USCNT8	United States Of America	30 Jun 2015	14/755151	US-2015-0305744-A1	9498219
END6213USCNT9	United States Of America	04 May 2016	15/146482	US-2016-024278-A1	9980729
END6213USCNT10	United States Of America	04 May 2016	15/146486	US-2016-0242769	9999426
END6213USCNT11	United States Of America	04 May 2016	15/146490	US-2016-0242770	10004505
END6213USCNT12	United States Of America	27 Jul 2017	15/661984	US2018-0008269A1	10307163
END6213USCNT18	United States Of America	11 Apr 2018	15/950899	US-2018-0296217	10898194
END6213USCNT13	United States Of America	27 Jul 2017	15/661994	US-2018-0008270	10682141
END6213USCNT15	United States Of America	27 Jul 2017	15/662034	US-2017-0319210	9901344
END6213USCNT16	United States Of America	27 Jul 2017	15/662051	US-2017-0319211	9901345
END6213USCNT17	United States Of America	27 Jul 2017	15/662067	US2017-0333041A1	9901346
END6213USCNT14	United States Of America	27 Jul 2017	15/662018	US-2018-0008271	10765432
END6213USCNT5	United States Of America	19 May 2014	14/281177	US-2014-0252069-A1	9095339
END6213USCNT20	United States Of America	12 Oct 2018	16/158654	US-2019-0105049-A1	10874396
END6213USCNT21	United States Of America	15 Oct 2018	16/160065	US-2019-0117225	10888329
END6213USCNT22	United States Of America	26 Dec 2018	16/232181	US-2019-0200991-A1	10898195
END6213USCNT23	United States Of America	26 Dec 2018	16/232190	US-2019-0200992-A1	10925605
END6213USCNT24	United States Of America	26 Dec 2018	16/232193	US-2019-0223871	10888330
END6213USCNT25	United States Of America	26 Dec 2018	16/232217	US-2019-0200993-A1	10905426
END6213USCNT26	United States Of America	26 Dec 2018	16/232230	US-2019-0200994-A1	10905427
END6214USNP	United States Of America	15 Feb 2008	12/032024	US-2009-0206132-A1	8608044
END6215USNP	United States Of America	14 Feb 2008	12/031368	US-2012-0286019-A1	8584919
END6215USCNT1	United States Of America	09 Jan 2013	13/737510	US-2013-0126583-A1	8657178
END6216USNP	United States Of America	14 Feb 2008	12/031618	US-2009-0206135-A1	7810692
END6217USNP	United States Of America	14 Feb 2008	12/031326	US-2009-0206130-A1	7866527
END6217USCNT1	United States Of America	01 Dec 2010	12/957685	US-2011-0068148-A1	8875971
END6217USCNT2	United States Of America	14 Aug 2014	14/459496	US2014-0353359A1	9204878
END6217USCNT3	United States Of America	04 Sep 2015	14/845688	US-2015--374367-A1	9962158
END6217USCNT4	United States Of America	27 Apr 2018	15/964906	US-2018-0310931	10743870
END6217USCNT5	United States Of America	11 Jun 2020	16/898632	US-2020-0375592	
END6218USNP	United States Of America	14 Feb 2008	12/031001	US-2009-0206133-A1	
END6219USNP	United States Of America	14 Feb 2008	12/031539	US-2009-0206134-A1	7857185
END6220USNP	United States Of America	14 Feb 2008	12/030980	US-2009-0206123-A1	7819297
END6221USNP	United States Of America	15 Feb 2008	12/031873	US-2009-0206140-A1	7980443
END6222USNP	United States Of America	15 Feb 2008	12/031820	US-2009-0206138-A1	7959051
END6223USNP	United States Of America	15 Feb 2008	12/031817	US-2009-0206131-A1	

END6223USCNT2	United States Of America	30 Oct 2014	14/528626	US-2015-0060521	
END6223USCNT4	United States Of America	09 Sep 2015	14/849125	US2016-000439A1	9839429
END6223USCNT3	United States Of America	30 Mar 2015	14/672620	US-2015-0201935	9913647
END6223USCNT5	United States Of America	09 Sep 2015	14/849151	US2016-0000440A1	10058327
END6223USCNT1	United States Of America	15 Feb 2011	13/027641	US-2011-0132964-A1	8875972
END6223USCNT6	United States Of America	25 Oct 2017	15/793527	US-2018-0103954-A1	10835250
END6223USCNT7	United States Of America	13 Oct 2020	17/069392		
END6224USNP	United States Of America	14 Feb 2008	12/031066	US-2009-0206129-A1	7861906
END6225USNP	United States Of America	14 Feb 2008	12/031611	US-2009-0209946-A1	8758391
END6225USDIV1	United States Of America	12 May 2014	14/275232	US-2014-0330161	
END6225USCNT1	United States Of America	07 May 2014	14/272197	US-2014-0243865-A1	
END6225USCNT2	United States Of America	06 Nov 2017	15/804160	US2018-0078248A1	10743851
END6225USCNT3	United States Of America	30 Jun 2020	16/916375	US 2020-0375585	
END6226USNP	United States Of America	14 Feb 2008	12/031030	US-2009-0206124-A1	7819298
END6226USDIV1	United States Of America	09 Sep 2010	12/878574	US-2011-0006099-A1	8973803
END6226USCNT1	United States Of America	09 Feb 2011	13/023703	US-2011-0132962-A1	8113410
END6226USCNT4	United States Of America	26 Jun 2015	14/752127	US-2015-0297226	9867618
END6226USCNT2	United States Of America	25 Jun 2014	14/314525	US-2014-0305986-A1	9072515
END6226USCNT5	United States Of America	26 Jun 2015	14/752151	US-2015-0297224	9872684
END6226USCNT3	United States Of America	13 Jan 2015	14/595645	US2015-0144678A1	9211121
END6226USCNT6	United States Of America	05 May 2016	15/147018	US-2016-0249930	9877723
END6226USCNT7	United States Of America	20 Oct 2017	15/789538	US-2018-0132851-A1	10682142
END6226USCNT9	United States Of America	07 Apr 2020	16/841779	US2020-0315625A1	
END6227USNP	United States Of America	14 Feb 2008	12/030974	US-2009-0206128-A1	7819296
END6228USNP	United States Of America	14 Feb 2008	12/031624	US-2009-0206144-A1	7913891
END6229USNP	United States Of America	13 Feb 2008	12/030424	US-2009-0100355-A1	7766209
END6229USCIP1	United States Of America	12 Aug 2010	12/855351	US-2011-0068145-A1	8453908
END6229USCNT1	United States Of America	26 Jul 2010	12/843436	US-2011-0011914-A1	8540129
END6229USCIP2	United States Of America	28 Feb 2011	13/036647	US-2011-0226837-A1	8561870
END6229USCNT3	United States Of America	21 Oct 2013	14/058802	US-2014-0042205-A1	9687231
END6229USCNT2	United States Of America	16 Sep 2013	14/027872	US-2014-0014705	
END6229USCNT4	United States Of America	26 Jun 2017	15/633329	US-2018-0005260	10765424
END6231USNP	United States Of America	15 Feb 2008	12/031963	US-2009-0206141-A1	
END6232USNP	United States Of America	15 Feb 2008	12/032002	US-2009-0206143-A1	8371491
END6232USCIP3	United States Of America	08 Feb 2013	13/763161	US-2013-0153641-A1	
END6232USCIP1	United States Of America	08 Feb 2013	13/763095	US-2013/0161374	9770245
END6232USCIP2	United States Of America	08 Feb 2013	13/763147	US-2013-0153636-A1	10390823
END6232USCIP4	United States Of America	08 Feb 2013	13/763177	US-2013/0146641	9585657
END6232USCNT1	United States Of America	21 Nov 2014	14/549956	US-2015-0076212	
END6232USCNT2	United States Of America	21 Nov 2014	14/549976	US-2015-0076208-A1	
END6232USCNT11	United States Of America	30 Mar 2015	14/673417	US-2015-0201941	
END6232USCNT3	United States Of America	26 Mar 2015	14/669759	US-2015-0196296-A1	
END6232USCNT4	United States Of America	27 Mar 2015	14/670618	US-2015-0196299-A1	
END6232USCNT5	United States Of America	30 Mar 2015	14/673204	US-2015-0201936-A1	
END6232USCNT6	United States Of America	30 Mar 2015	14/673237	US-2015-0201937-A1	
END6232USCNT7	United States Of America	30 Mar 2015	14/673254	US-2015-0201938-A1	
END6232USCNT8	United States Of America	30 Mar 2015	14/673313	US-2015-0201932-A1	
END6232USCNT9	United States Of America	30 Mar 2015	14/673357	US-2015-0201939-A1	
END6232USCNT10	United States Of America	30 Mar 2015	14/673383		
END6232USCNT13	United States Of America	28 Aug 2017	15/688132	US-2018-0042611-A1	
END6232USCNT14	United States Of America	25 Sep 2018	16/141189	US-2019-0090871	
END6232USCNT15	United States Of America	14 Sep 2020	17/020074	US 2021-0059662	
END6234USNP	United States Of America	15 Feb 2008	12/031974	US-2009-0206142-A1	
END6235USNP	United States Of America	15 Feb 2008	12/031978	US-2009-0206126-A1	
END6250USNP	United States Of America	22 Oct 2012	13/657553	US-2014-0114334-A1	9095367
END6250USDIV1	United States Of America	18 Feb 2015	14/625349	US2015-0157355A1	9795405
END6250USCNT1	United States Of America	19 Sep 2017	15/708850	US-2018-0098785	
END6258USDP	United States Of America	16 Jul 2007	29/282249		D576278
END6259USDP	United States Of America	16 Jul 2007	29/282250		D605762
END6260USNP	United States Of America	16 Jul 2007	11/778164		
END6260USCIP1	United States Of America	12 Jun 2008	12/137571	US-2009-0308907-A1	
END6261USNP	United States Of America	16 Jul 2007	11/778170		
END6261USCIP1	United States Of America	12 Jun 2008	12/137576	US-2009-0308909-A1	8007513
END6267USNP	United States Of America	14 Feb 2008	12/031542	US-2013-0041371	8459525
END6268USNP	United States Of America	14 Feb 2008	12/031556	US-2014-0005652-A1	8636736
END6268USCNT2	United States Of America	14 Aug 2019	16/540670	US-2020-0038020-A1	
END6268USCNT3	United States Of America	17 Sep 2020	17/023985	US2021-0068832A1	
END6268USCNT4	United States Of America	23 Mar 2021	17/209583		

END6269USNP	United States Of America	14 Feb 2008	12/031567	US-2009-0209990-A1	8657174
END6269USCNT1	United States Of America	07 Feb 2011	13/021868	US-2011-0125176-A1	
END6269USCIP1	United States Of America	27 May 2011	13/118190	US-2011-0288573-A1	9179912
END6269USCNT2	United States Of America	09 Feb 2012	13/369584	US-2012-0199633	8573461
END6269USCNT3	United States Of America	12 Mar 2013	13/795205	US-2013-0190757-A1	9522029
END6269USCNT4	United States Of America	03 Nov 2015	14/930826	US-2016-0058443-A1	10779822
END6269USCNT7	United States Of America	23 Mar 2017	15/467571	US-2017-0238929	10639036
END6269USCNT5	United States Of America	20 Mar 2017	15/463534	US-2017-0290146	10722232
END6269USCNT8	United States Of America	11 Sep 2020	17/018047	US-2021-0059669	
END6270USCNT6	United States Of America	27 Jun 2018	16/020610	US-2018-0303478	10206676
END6270USCNT7	United States Of America	27 Jun 2018	16/020615	US-2019-002967	10806450
END6270USNP	United States Of America	14 Feb 2008	12/031573		
END6270USCNT1	United States Of America	25 Mar 2015	14/668406	US-2015-0196347-A1	10238385
END6270USCNT2	United States Of America	25 Mar 2015	14/668426	US-2015-0196348	10470763
END6270USCNT3	United States Of America	23 Sep 2015	14/862478	US-2016-0008023-A1	10238387
END6270USCNT4	United States Of America	23 Sep 2015	14/862482	US-2016-0007992	10265067
END6270USCNT5	United States Of America	31 Aug 2017	15/692367	US-2018-0064437-A1	10542974
END6270USCNT8	United States Of America	24 Sep 2019	16/580286	US 2020-0100783	
END6270USCNT9	United States Of America	25 Sep 2020	17/032031		
END6271USNP	United States Of America	14 Feb 2008	12/031580	US-2009-0209979-A1	8622274
END6275USDP	United States Of America	05 Oct 2007	29/292295		D594983
END6275USDP1	United States Of America	12 Nov 2008	29/327737		D618797
END6275USDP2	United States Of America	17 May 2010	29/361917		D631965
END6276USPSP	United States Of America	05 Oct 2007	60/997901		
END6276USNP	United States Of America	03 Oct 2008	12/245158	US-2009-005750-A1	8623027
END6276USDCO2	United States Of America	26 Sep 2011	29/402699		D661802
END6276USDCO1	United States Of America	26 Sep 2011	29/402697		D661801
END6276USDCO3	United States Of America	26 Sep 2011	29/402700		D661803
END6276USDCO4	United States Of America	26 Sep 2011	29/402701		D661804
END6276USCNT1	United States Of America	21 Mar 2012	13/426232	US-2012-0184946-A1	9486236
END6276USCNT2	United States Of America	04 Feb 2014	14/172334	US2014-0155921A1	9848902
END6276USCNT3	United States Of America	11 Dec 2017	15/837241	US 2018-0206881	10828059
END6311USPSP	United States Of America	30 Nov 2007	61/004961		
END6311USNP	United States Of America	20 Nov 2008	12/274884	US-2009-0143806	10010339
END6311USDIV1	United States Of America	03 Feb 2017	15/424166	US-2017-0143371-A1	10433865
END6311USDIV2	United States Of America	03 Feb 2017	15/424174	US-2017-0143877-A1	10433866
END6311USDIV3	United States Of America	24 Mar 2017	15/469101	US-2017-0196586-A1	10888347
END6311USDIV4	United States Of America	24 Mar 2017	15/469105	US-2017-0196587-A1	10463887
END6311USCNT1	United States Of America	03 Apr 2017	15/477861	US-2017-0202573-A1	10045794
END6311USCNT2	United States Of America	22 May 2018	15/986424	US-2018-0263653-A1	10245065
END6311USCNT3	United States Of America	12 Jun 2018	16/006373		10265094
END6311USCNT4	United States Of America	06 Mar 2019	16/293848	US-2019-0239919	
END6311USCNT5	United States Of America	21 Aug 2019	16/546593	US-2020-0046401	
END6319USNP	United States Of America	05 Feb 2009	12/366548	US-2010-0193569-A1	8397971
END6319USCIP1	United States Of America	19 Nov 2009	12/621732	US-2010-0198220-A1	8414577
END6320USNP	United States Of America	19 Nov 2009	12/621672	US-2011-0114700-A105	8899466
END6325USNP	United States Of America	14 Aug 2009	12/541630	US-2011-0040313-A1	
END6343USCIP	United States Of America	28 Feb 2008	12/038939	US-2008-0210738-A1	7934630
END6343USCNT1	United States Of America	28 Mar 2011	13/072923	US-2011-0174863-A1	8567656
END6356USNP	United States Of America	30 May 2008	12/130023	US-2009-0299385-A1	8070759
END6366USNP	United States Of America	28 Apr 2008	12/110724		8579807
END6366USNP1	United States Of America	28 Apr 2008	12/110727		8870747
END6366USNP2	United States Of America	28 Apr 2008	12/110742		9358041
END6366USNP3	United States Of America	28 Apr 2008	12/116755	US-2009-0270817-A1	8273060
END6366USCIP1	United States Of America	31 Jul 2009	12/533590	US-2010-0022958-A1	8568362
END6366USCIP2	United States Of America	12 Oct 2010	12/902265	US-2011-0046449-A1	8636686
END6366USDCO2	United States Of America	30 Sep 2011	29/403077		D878606
END6366USDIV1	United States Of America	27 Jul 2012	13/358434		
END6366USDCO1	United States Of America	17 Aug 2011	29/399721		D700326
END6366USDCO3	United States Of America	27 Jul 2012	29/428238		D735852
END6366USDIV2	United States Of America	07 Sep 2012	13/606564	US-2012-0330099	9033929
END6366USDCO4	United States Of America	17 Jan 2014	29/479626		D736926
END6366USCNT1	United States Of America	08 Jan 2014	14/150256	US-2014-0121465-A1	9827383
END6366USCNT2	United States Of America	27 Nov 2017	15/823345	US-2018-0104423-A1	
END6369USNP	United States Of America	25 Apr 2008	12/109881	US-2009-0270818-A1	8690831
END6371USNP	United States Of America	08 May 2008	12/116998	US-2009-0281478-A1	7981092
END6377USDP	United States Of America	12 Dec 2007	29/298728		D597668
END6383USNP	United States Of America	30 Nov 2007	11/998543	US-2009-0143795-A1	8057498

END6383USDIV1	United States Of America	11 Oct 2011	13/270459	US-2012-0029546-A1	8591536
END6383USDIV2	United States Of America	01 Nov 2013	14/069837	US-2014-0058427-A1	9066747
END6383USDIV3	United States Of America	18 Jun 2015	14/743687	US-2015-0282834-A1	9339289
END6383USDIV5	United States Of America	24 Sep 2019	16/580342	US-2020-0015838-A1	
END6383USCNT1	United States Of America	20 Sep 2019	16/577307	US2020-0085462A1	
END6391USNP	United States Of America	25 Aug 2008	12/197653	US-2010-0048990-A1	
END6402USNP	United States Of America	18 Sep 2008	12/212928	US-2010-0065609-A1	7837080
END6403USNP	United States Of America	18 Sep 2008	12/212938	US-2010-0065605-A1	8083120
END6404USNP	United States Of America	21 May 2008	12/124655	US-2009-0289096-A1	7922061
END6405USNP	United States Of America	19 Sep 2008	12/234113	US-2010-0072251-A1	7832612
END6406USNP	United States Of America	19 Sep 2008	12/234133	US-2010-0072252-A1	7954686
END6406USDIV1	United States Of America	03 Jun 2011	13/152507	US-2011-0253766-A1	8205781
END6406USCNT1	United States Of America	21 May 2012	13/476265	US-2012-0223123-A1	9289210
END6406USCNT2	United States Of America	03 Mar 2016	15/059515	US-2016-0174985	10258336
END6406USCNT3	United States Of America	25 Feb 2019	16/284311	US-2019-0261990-A1	
END6408USNP	United States Of America	18 Sep 2008	12/212951	US-2010-0069942-A1	
END6409USNP	United States Of America	15 Oct 2008	12/251816	US-2010-0089974-A1	8020743
END6410USNP	United States Of America	23 Mar 2009	12/408905	US-2010-0237132-A1	8066167
END6411USNP	United States Of America	19 Sep 2008	12/234143	US-2010-0072253-A1	7857186
END6412USNP	United States Of America	10 Oct 2008	12/249117	US-2010-0089970-A1	8608045
END6412USCNT1	United States Of America	05 Mar 2013	13/785432	US-2013-0184718	9370364
END6412USCNT2	United States Of America	26 Feb 2016	15/054751		10149683
END6412USCNT3	United States Of America	12 Oct 2018	16/158529	US-2019-0133585-A1	10932778
END6412USCNT4	United States Of America	21 Jan 2021	17/154638		
END6412USCNT5	United States Of America	23 Feb 2021	17/182383		
END6413USNP	United States Of America	23 Sep 2008	12/235782	US-2010-0076474-A1	8210411
END6413USCNT1	United States Of America	01 Jun 2012	13/486175	US-2012-0265230	8602287
END6413USCNT2	United States Of America	05 Mar 2013	13/784957	US2013-0175322A1	9549732
END6413USCNT3	United States Of America	05 Mar 2013	13/784960	US-2013-0175317	
END6413USCNT7	United States Of America	08 Dec 2016	15/372984	US-2017-0086830-A1	
END6413USCNT4	United States Of America	08 Sep 2015	14/847831	US-2015-0374369-A1	10736628
END6413USCNT6	United States Of America	10 Sep 2015	14/850130	US-2016-0000453-A1	
END6413USCNT8	United States Of America	07 Nov 2017	15/805898	US-2018-0125481	
END6413USCNT9	United States Of America	28 Sep 2018	16/146065	US-2019-0029676	10898184
END6413USCNT10	United States Of America	14 Jun 2019	16/441533	US-2020-0000461	
END6413USCNT11	United States Of America	09 Jun 2020	16/896629	US-2020-0297241	
END6413USCNT12	United States Of America	09 Jun 2020	16/896647	US-2020-0367885	
END6413USCNT13	United States Of America	15 Jun 2020	16/901616	US 2020-0305863	
END6413USCNT14	United States Of America	15 Jun 2020	16/901361	US-2020-0305862-A1	
END6413USCNT15	United States Of America	15 Jun 2020	16/901678	US-2020-0305864-A1	
END6414USNP	United States Of America	19 Sep 2008	12/234149	US-2010-0072256-A1	7905381
END6414USCIP1	United States Of America	17 Mar 2010	12/725993	US-2010-0213241-A1	8540133
END6414USCNT1	United States Of America	04 Mar 2011	13/040604	US-2011-0155787-A1	9326771
END6415USNP	United States Of America	16 Oct 2008	12/252502	US-2010-0096435-A1	7918377
END6416USNP	United States Of America	23 Sep 2008	12/235972	US-2010-0076475-A1	9050083
END6416USCNT1	United States Of America	07 Feb 2011	13/021876	US-2011-0125177-A1	9028519
END6416USCIP1	United States Of America	27 May 2011	13/118253	US-2011-0295269-A1	9386983
END6416USCNT2	United States Of America	09 Feb 2012	13/369588	US-2012-0199631-A1	8602288
END6416USCNT3	United States Of America	11 Mar 2013	13/792263	US-2013-0193189-A1	9655614
END6416USCIP2	United States Of America	18 Jan 2013	13/745176	US-2013-0126581-A1	9005230
END6416USCNT9	United States Of America	23 Sep 2016	15/274826	US2017-0007340A1	10130361
END6416USCNT10	United States Of America	23 Sep 2016	15/274847	US2017-0007341A1	10238389
END6416USCNT7	United States Of America	23 Sep 2016	15/274784	US-2017-0007338	10105136
END6416USCNT8	United States Of America	23 Sep 2016	15/274805	US-2017-0007339	10045778
END6416USCNT11	United States Of America	29 Aug 2017	15/689738	US 2018-0085116	
END6416USCNT12	United States Of America	28 Sep 2018	16/146335	US-2019-0029677	10765425
END6416USCNT13	United States Of America	28 Sep 2018	16/146367	US-2019-0099177-A1	
END6416USCNT14	United States Of America	30 Jun 2020	16/903791	US-2020-0315615-A1	
END6416USCNT15	United States Of America	17 Jun 2020	16/903803	US-2020-0315616	
END6417USNP	United States Of America	05 Feb 2009	12/366514	US-2010-0193567-A1	8485413
END6419USPSP	United States Of America	15 Jul 2008	61/080772		
END6419USNP	United States Of America	13 Jul 2009	12/501524	US-2010-0016728-A1	8487487
END6423USNP	United States Of America	29 Jun 2012	13/538588	US-2014-0005701	9393037
END6423USPCT	United States Of America	14 Jun 2013	PCT/US2013/045805		
END6423USDIV2	United States Of America	20 Jun 2016	15/187553	US-2016-0296251-A1	
END6423USDIV3	United States Of America	20 Jun 2016	15/187559	US-2016-0296252	
END6423USDIV4	United States Of America	06 Apr 2020	16/841322	US2020-0229834A1	

END6426USNP	United States Of America	15 Mar 2013	13/833706	US2014-0276738A1	9241728
END6426USDIV1	United States Of America	09 Dec 2015	14/963686	US-2016-0095617	9743947
END6427USPSP	United States Of America	06 Aug 2008	61/086619		
END6427USPSP1	United States Of America	13 Aug 2008	61/188790		
END6427USNP	United States Of America	15 Jul 2009	12/503775	US-2010-0036405-A1	8058771
END6427USCIP1	United States Of America	01 Oct 2010	12/896351		9089360
END6427USDIV1	United States Of America	11 Nov 2011	13/294576	US-2012-0123458-A1	8253303
END6427USDIV3	United States Of America	13 Aug 2012	13/584445	US-2013-0035707-A1	8704425
END6427USDIV4	United States Of America	14 Aug 2012	13/584878	US-2012-0310262-A1	9072539
END6427USDIV5	United States Of America	14 Aug 2012	13/585124	US2012-0310263-A1	8546996
END6427USDIV6	United States Of America	14 Aug 2012	13/585292	US-2012-0310264	8749116
END6427USDIV2	United States Of America	13 Aug 2012	13/584020	US-2013-0035706-A1	8779648
END6427USCNT1	United States Of America	13 Mar 2015	14/657794	US-2015-018225-A1	9795808
END6427USDIV7	United States Of America	20 Mar 2015	14/664233	US-2015-0196318-A1	9504855
END6427USDIV9	United States Of America	27 Jul 2015	14/810318	US2015-0328484	10022568
END6427USDIV8	United States Of America	27 Jul 2015	14/810310	US2015-0327883A1	10022567
END6427USCNT2	United States Of America	11 Oct 2016	15/290570	US-2017-0095267-A1	10335614
END6427USCNT3	United States Of America	21 Jun 2019	16/448089	US 2020-0078609	
END6457USNP	United States Of America	07 Jan 2009	12/349942	US-2010-0174296-A1	8317827
END6478USPSP	United States Of America	03 Sep 2008	61/093836		
END6478USNP	United States Of America	13 Aug 2009	12/540573	US-2010-0057118-A1	
END6485USNP2	United States Of America	30 Sep 2008	12/242721	US-2010-0081882-A1	8430811
END6485USNP	United States Of America	30 Sep 2008	12/242765	US-2010-0081880-A1	8485970
END6485USNP1	United States Of America	30 Sep 2008	12/242711	US-2010-0081881-A1	8425410
END6485USCNT1	United States Of America	20 Jun 2013	13/922957	US2013-0317310A1	9131835
END6485USCNT2	United States Of America	06 Aug 2015	14/819716	US-2015-0335353	9687272
END6485USNP3	United States Of America	30 Sep 2008	12/242726	US-2010-0081995-A1	8328761
END6485USCNT4	United States Of America	07 Jun 2018	16/002346	US-2018-0280055-A1	10588661
END6485USCNT5	United States Of America	12 Feb 2020	16/788557	US-2020-0179003	
END6487USNP	United States Of America	30 Sep 2008	12/242383	US-2010-0081871-A1	8206294
END6492USPSP	United States Of America	12 Sep 2008	61/096500		
END6492USNP	United States Of America	11 Sep 2009	12/557799	US-2010-0069940-A1	9023071
END6492USCIP1	United States Of America	22 Mar 2012	13/426834	US-2012-0203213-A1	9107688
END6492USDIV1	United States Of America	08 Apr 2015	14/681168	US2015-0209071A1	
END6493USNP	United States Of America	15 Jul 2009	12/503769	US-2011-0015631-A1	8663220
END6493USNP1	United States Of America	15 Jul 2009	12/503770	US-2011-0015660-A1	8461744
END6493USNP2	United States Of America	15 Jul 2009	12/503766	US-2011-0015627-A1	9017326
END6493USCNT1	United States Of America	07 Jun 2013	13/912708	US2013-0274732A1	8773001
END6493USDIV1	United States Of America	20 Dec 2013	14/136836	US-2014-0107538-A1	9764164
END6493USDIV2	United States Of America	13 Sep 2017	15/703577	US-2018-0064961	10688321
END6493USCNT2	United States Of America	19 May 2020	16/878180	US2020-0338370A1	
END6494USNP	United States Of America	20 May 2009	12/469293	US-2010-0298851-A1	9700339
END6494USNP1	United States Of America	20 May 2009	12/469308	US-2010-0298743-A1	
END6494USCNT1	United States Of America	03 Mar 2017	15/449230	US2017-0209167A1	10709906
END6494USDIV1	United States Of America	15 Nov 2011	13/296829	US-2012-0059289-A1	
END6495USNP	United States Of America	24 Jun 2009	12/490906	US-2010-0331869-A1	8334635
END6495USNP1	United States Of America	24 Jun 2009	12/490922	US-2010-0331870-A1	8650728
END6495USNP2	United States Of America	24 Jun 2009	12/490933	US-2010-0331871-A1	8344596
END6495USNP3	United States Of America	24 Jun 2009	12/490948	US-2010-0331872-A1	8319400
END6495USCNT1	United States Of America	23 Jul 2012	13/555523	US-2012-0289984	8546999
END6495USDIV1	United States Of America	17 Dec 2012	13/717084	US-2013-0178882	8754570
END6495USDIV2	United States Of America	06 May 2014	14/270722	US-2014-0243864-A1	9498245
END6495USCNT3	United States Of America	27 Aug 2019	16/552700	US 2019-0381339	
END6495USCNT4	United States Of America	27 Aug 2019	16/552706	US-2019-0381340-A1	
END6496USNP	United States Of America	30 Oct 2008	12/261672	US-2010-0113882-A1	8147405
END6498USNP	United States Of America	30 Oct 2008	12/261717	US-2010-0114032-A1	8075528
END6533USPSP	United States Of America	07 Aug 2008	61/087001		
END6533USNP	United States Of America	04 Aug 2009	12/534934	US-2010-0036370-A1	
END6546USPSP	United States Of America	14 Aug 2009	61/233945		
END6546USNP	United States Of America	16 Aug 2010	12/857373	US-2011-0040212-A1	9114245
END6546USNP1	United States Of America	16 Aug 2010	12/857399	US-2011-0040213-A1	8882792
END6546USCIP1	United States Of America	18 Jan 2013	13/745385	US-2013-0197550-A1	9737735
END6546USCNT1	United States Of America	25 Jan 2017	15/415543	US-2017-0151708-A1	
END6547USPSP	United States Of America	06 Feb 2009	61/150382		
END6547USNP	United States Of America	26 Jan 2010	12/693460	US-2011-0024477-A1	
END6547USCIP1	United States Of America	29 Jul 2010	12/846228	US-2011-0006101-A1	
END6548USPSP	United States Of America	06 Feb 2009	61/150387		
END6548USNP	United States Of America	26 Jan 2010	12/693461	US-2011-0024478-A1	

END6548USCIP1	United States Of America	29 Jul 2010	12/846237	US-2011-0011915-A1	8444036
END6548USCNT1	United States Of America	20 May 2013	13/897993	US-2013-0256371-A1	9486214
END6548USCNT2	United States Of America	23 Sep 2016	15/274609	US-2017-0007239	10420550
END6549USPSP	United States Of America	06 Feb 2009	61/150391		
END6549USNP	United States Of America	26 Jan 2010	12/693462	US-2011-0024479-A1	8245899
END6549USCIP1	United States Of America	29 Jul 2010	12/846249	US-2011-0006103-A1	8453907
END6549USCNT1	United States Of America	10 May 2013	13/891665	US-2013-0248576-A1	9393015
END6551USNP	United States Of America	06 Mar 2009	12/399625	US-2010-0228091-A1	8926506
END6551USNP1	United States Of America	06 Mar 2009	12/399633	US-2010-0228198	8821391
END6551USCNT1	United States Of America	16 Dec 2014	14/571457	US2015-0099938A1	9351717
END6551USCNT2	United States Of America	04 May 2016	15/145954	US2016-0242758A1	10039542
END6551USCNT3	United States Of America	25 Oct 2019	16/663808	US-2020-0060672-A1	
END6551USDIV1	United States Of America	05 Jul 2018	16/027907	US-2018-0317901	10470751
END6552USNP	United States Of America	06 Mar 2009	12/399547	US-2010-0228092-A1	8251900
END6552USNP1	United States Of America	06 Mar 2009	12/399656	US-2010-0228094-A1	8961406
END6552USCNT1	United States Of America	12 Jan 2015	14/594535	US-2015-0173735-A1	9538997
END6552USCNT2	United States Of America	05 Dec 2016	15/369220	US-2017-0079637	10182805
END6552USCNT3	United States Of America	07 Dec 2018	16/213587	US-2019-0159769	10813632
END6552USCNT4	United States Of America	08 Oct 2020	17/065924	US-2021-0022724	
END6553USNP	United States Of America	06 Mar 2009	12/399482	US-2010-0228096-A1	
END6553USNP1	United States Of America	06 Mar 2009	12/399473	US-2010-0228090-A1	
END6553USCIP1	United States Of America	23 Apr 2010	12/766086	US-2010-0261975-A1	9737334
END6555USNP	United States Of America	08 Apr 2009	12/420107	US-2010-0261970-A1	8137267
END6556USNP	United States Of America	08 Apr 2009	12/420202	US-2010-0262080-A1	8419635
END6557USNP	United States Of America	08 Apr 2009	12/420146	US-2010-0261974-A1	8257251
END6558USNP	United States Of America	05 Jun 2009	12/478862	US-2010-0312189-A1	
END6560USNP	United States Of America	05 Jun 2009	12/479293	US-2010-0312061-A1	8475490
END6561USNP	United States Of America	05 Jun 2009	12/479395	US-2010-0312063-A1	9078695
END6562USNP	United States Of America	05 Jun 2009	12/479092	US-2010-0312065-A1	8241209
END6563USNP	United States Of America	05 Jun 2009	12/479096	US-2010-0312060-A1	8795163
END6565USNP	United States Of America	05 Jun 2009	12/479398	US-2010-0312066-A1	8033995
END6566USNP	United States Of America	05 Jun 2009	12/479030	US-2010-0312064-A1	8465422
END6568USNP	United States Of America	05 Jun 2009	12/478882	US-2010-0312062-A1	8361109
END6569USNP	United States Of America	05 Feb 2009	12/366538	US-2010-0193568-A1	8517239
END6569USCNT1	United States Of America	15 Mar 2013	13/835592	US-2013-0270322	
END6569USCNT2	United States Of America	24 Nov 2014	14/551390	US-2015-0083782	
END6569USCNT3	United States Of America	23 Mar 2016	15/078580	US-2016-0206314	10758233
END6570USNP	United States Of America	05 Feb 2009	12/366539	US-2010-0193566-A1	
END6577USPSP	United States Of America	31 Mar 2009	61/165080		
END6577USNP	United States Of America	05 Jun 2009	12/479418	US-2010-0249525-A1	8357085
END6577USCIP1	United States Of America	25 Feb 2010	12/712269	US-2010-0249526-A1	8226553
END6577USCIP2	United States Of America	25 Feb 2010	12/712276	US-2010-0249516-A1	90051126
END6577USCIP3	United States Of America	25 Feb 2010	12/712391	US-2011-0066001-A1	8353824
END6577USCIP4	United States Of America	25 Feb 2010	12/712402	US-2010-0249520-A1	
END6577USCIP5	United States Of America	25 Feb 2010	12/712406	US-2010-0249521-A1	
END6577USCNT1	United States Of America	10 Apr 2015	14/683306	US-2015-0209025-A1	
END6577USCNT2	United States Of America	11 Jul 2016	15/207133	US-2016-0317184-A1	
END6577USCNT4	United States Of America	24 Mar 2017	15/469040	US-2017-0215919-A1	
END6577USCNT3	United States Of America	11 Jul 2016	15/207106		
END6577USCNT5	United States Of America	09 Aug 2018	16/059689	US-2018-0344352-A1	
END6604USNP	United States Of America	24 Dec 2009	12/647134		8851354
END6604USPCT	United States Of America	06 Dec 2010	PCT/US2010/059139us		
END6604USCNT1	United States Of America	25 Sep 2014	14/496775		9307987
END6604USCNT2	United States Of America	03 Mar 2016	15/059533	US-2016-0183944-A1	
END6604USCNT3	United States Of America	11 Mar 2019	16/298546	US-2019-0269407-A1	
END6605USNP	United States Of America	30 Dec 2009	12/650334	US-2011-0155780-A1	8267300
END6606USNP	United States Of America	07 Jan 2010	12/683754	US-2011-0163147-A1	8608046
END6606USCNT1	United States Of America	11 Nov 2013	14/076481	US-2014-0061279-A1	9585660
END6610USNP	United States Of America	10 Dec 2009	12/635415	US-2011-0139852-A1	8136712
END6611USNP	United States Of America	24 Dec 2009	12/647100	US-2011-0155785-A1	8220688
END6611USCNT1	United States Of America	29 May 2012	13/482179	US-2012-0239012-A1	8453914
END6611USCNT2	United States Of America	24 May 2013	13/902249	US-2013-0261648-A	9675372
END6611USCNT3	United States Of America	11 May 2017	15/592633	US2017-0333070A1	10751076
END6611USCNT4	United States Of America	26 Jul 2019	16/523539	US2020-0054355A1	
END6612USPSP	United States Of America	09 Oct 2009	61/250377		
END6612USNP	United States Of America	19 Nov 2009	12/622099	US-2011-0084115-A1	8348129
END6612USNP2	United States Of America	19 Nov 2009	12/622130	US-2011-0087276-A1	

END6612USNP1	United States Of America	19 Nov 2009	12/622113	US-2011-0084113-A1	8141762
END6615USNP	United States Of America	19 Nov 2009	12/621679	US-2011-0114698-A1	8353438
END6616USNP	United States Of America	19 Nov 2009	12/621683	US-2011-0114699-A1	8353439
END6617USNP	United States Of America	19 Nov 2009	12/621688	US-2011-0118761-A1	8622275
END6618USNP	United States Of America	19 Nov 2009	12/621667	US-2011-0114697-A1	
END6619USNP	United States Of America	30 Jul 2009	12/512542	US-2011-0028793-A1	
END6619USNP1	United States Of America	30 Jul 2009	12/512568	US-2011-0028794-A1	
END6627USPSP	United States Of America	30 Jun 2009	61/221600		
END6627USDP	United States Of America	25 Aug 2009	29/342441		D614005
END6627USDP1	United States Of America	25 Aug 2009	29/342444		D614006
END6627USNP	United States Of America	25 Jun 2010	12/823231	US-2010-0331873-A1	
END6627USDIV1	United States Of America	04 Jun 2013	13/909624	US-2013-0345732-A1	
END6628USNP	United States Of America	08 Oct 2009	12/575537	US-2011-0087159-A1	
END6631USNP	United States Of America	09 Oct 2009	12/576736	US-2011-0087241-A1	8262679
END6631USCIP1	United States Of America	01 Dec 2009	12/628662	US-2011-0087243-A1	8267945
END6631USCNT1	United States Of America	19 May 2011	13/111378	US-2011-0218556-A1	8496673
END6635USNP	United States Of America	11 Dec 2009	12/636205	US-2011-0144449-A1	8460186
END6635USNP1	United States Of America	11 Dec 2009	12/636232	US-2011-0144447-A1	8444557
END6636USNP	United States Of America	11 Dec 2009	12/636020	US-2011-0144589-A1	8231570
END6636USNP1	United States Of America	11 Dec 2009	12/636023	US-2011-0144443-A1	8282546
END6637USNP	United States Of America	11 Dec 2009	12/635754	US-2011-0144442-A1	8414483
END6637USNP1	United States Of America	11 Dec 2009	12/635762	US-2011-0144448-A1	8357088
END6638USNP	United States Of America	11 Dec 2009	12/635990	US-2011-0144440-A1	8435174
END6639USNP1	United States Of America	20 Nov 2009	12/623018	US-2011-0124967-A1	8376938
END6639USNP	United States Of America	06 Nov 2009	12/614075		
END6640USNP	United States Of America	14 Jul 2010	12/836366	US-2012-0012636-A1	8613383
END6640USNP1	United States Of America	14 Jul 2010	12/836383	US-2012-0012638-A1	8453906
END6640USNP2	United States Of America	14 Jul 2010	12/836396	US-2012-0016413-A1	
END6641USNP4	United States Of America	23 Jul 2010	12/842538	US-2012-0022529-A1	8702704
END6641USNP1	United States Of America	23 Jul 2010	12/842476	US--2012-0022524-A1	8979843
END6641USNP2	United States Of America	23 Jul 2010	12/842507	US-2012-0022527-A1	9192431
END6641USNP3	United States Of America	23 Jul 2010	12/842518	US-2012-0022528-A1	8979844
END6641USNP	United States Of America	23 Jul 2010	12/842464	US-2012-0022526-A1	
END6641USNP5	United States Of America	23 Jul 2010	12/842565	US-2012-0022530-A1	9011437
END6642USNP	United States Of America	12 Apr 2010	12/758253	US-2011-0251612-A1	8834518
END6642USCNT1	United States Of America	04 Aug 2014	14/450922	US-2014-0343550-A1	9808308
END6643USNP	United States Of America	12 Apr 2010	12/758268		8496682
END6644USNP	United States Of America	12 Apr 2010	12/758284	US-2011-0251608-A1	8623044
END6645USNP	United States Of America	12 Apr 2010	12/758298	US-2011-0251609-A1	8709035
END6645USCNT1	United States Of America	10 Mar 2014	14/202892	US-2014-0194915	9610091
END6646USNP	United States Of America	22 Apr 2010	12/765175	US-2011-0264093-A1	8535311
END6647USNP	United States Of America	30 Aug 2011	13/221410	US-2013-0053831-A1	9044243
END6647USCNT1	United States Of America	04 May 2015	14/703432	US-2015-0230853	10166060
END6648USNP	United States Of America	26 Oct 2010	12/911943	US-2012-0101488-A1	8628529
END6649USNP	United States Of America	22 Jul 2010	12/841480	US-2012-0022525-A1	8795327
END6649USCNT1	United States Of America	22 Jul 2014	14/337912	US-2014-0330271	10278721
END6650USNP	United States Of America	08 Dec 2010	12/963001	US2012-0150176A1	8715277
END6651USNP	United States Of America	26 Mar 2010	12/732992	US-2011-0238065-A1	8696665
END6651USCNT1	United States Of America	10 Mar 2014	14/202690	US-2014-0194914	9375232
END6652USNP	United States Of America	09 Jun 2010	12/797207	US-2011-0306963-A1	8888776
END6652USNP1	United States Of America	09 Jun 2010	12/797252	US-2011-0306964-A1	8790342
END6652USNP2	United States Of America	09 Jun 2010	12/797288	US-2011-0306965-A1	8926607
END6652USNP3	United States Of America	09 Jun 2010	12/797305	US-2011-0306966-A1	8795276
END6653USNP	United States Of America	22 Jul 2011	13/189169	US2013-0023875A1	9259265
END6653USCNT1	United States Of America	20 Jan 2016	15/001597	US-2016-0128762-A1	10433900
END6654USNP	United States Of America	22 Jul 2010	12/841370	US-2012-0022519-A1	
END6655USNP	United States Of America	10 Jun 2010	12/797844	US-2011-0306973-A1	8764747
END6656USNP	United States Of America	10 Jun 2010	12/797853	US-2011-0306972-A1	8753338
END6657USNP	United States Of America	10 Jun 2010	12/797861	US-2011-0306967-A1	
END6658USNP	United States Of America	10 Jun 2010	12/797866	US-2011-0306968-A1	9005199
END6658USCNT1	United States Of America	20 Mar 2015	14/664249	US-2015-0196352	9737358
END6659USNP1	United States Of America	08 Jul 2010	12/832361	US-2012-0010615-A1	8834466
END6659USNP	United States Of America	08 Jul 2010	12/832345	US-2012-0010616-A1	9149324
END6660USNP	United States Of America	17 May 2010	12/781243	US-2011-0282339-A1	8685020
END6660USCNT1	United States Of America	03 Feb 2014	14/171035	US2014-0148806A1	9456864
END6660USCNT2	United States Of America	23 Sep 2016	15/274154	US-2017-0105787	
END6660USCNT3	United States Of America	01 Dec 2017	15/829148	US-2018-0125571-A1	
END6665USNP	United States Of America	25 Jan 2010	12/692670	US-2011-0184430-A1	8444655

END6666USNP	United States Of America	26 Jan 2010	12/693476	US-2011-0184433-A1	8425533
END6667USNP	United States Of America	25 Jan 2010	12/692709	US-2011-0184431-A1	8409216
END6668USNP	United States Of America	25 Jan 2010	12/692733	US-2011-0184432-A1	8409217
END6669USNP	United States Of America	25 Jan 2010	12/692727	US-2011-0184311-A1	
END6670USNP	United States Of America	26 Jan 2010	12/693485	US-2011-0184431-A1	8414596
END6671USNP	United States Of America	26 Jan 2010	12/693491	US-2011-0184435-A1	8986321
END6671USDIV1	United States Of America	02 Feb 2015	14/611387	US2015-0209020A1	9867600
END6672USNP	United States Of America	26 Jan 2010	12/693498	US-2011-0184436-A1	8419749
END6673USPSP	United States Of America	09 Oct 2009	61/250217		
END6673USNP	United States Of America	01 Oct 2010	12/896360	US-2011-0087256	9060775
END6673USNP1	United States Of America	01 Oct 2010	12/896479	US-2011-0087216-A1	8956349
END6673USNP2	United States Of America	01 Oct 2010	12/896345	US-2011-0087212-A1	8986302
END6673USNP3	United States Of America	01 Oct 2010	12/896384	US-2011-0087213A1	8951248
END6673USNP4	United States Of America	01 Oct 2010	12/896467	US-2011-0087215-A1	9050093
END6673USNP6	United States Of America	01 Oct 2010	12/896470	US-2011-0087217-A1	9060776
END6673USNP5	United States Of America	01 Oct 2010	12/896451	US-2011-0087214-A1	9039695
END6673USDP1	United States Of America	17 May 2011	29/392033		D696631
END6673USDP	United States Of America	13 Apr 2011	29/389531		D695407
END6673USDP2	United States Of America	18 May 2011	29/392152		D690267
END6673USCIP1	United States Of America	03 Oct 2011	13/251766	US2012-0078139A1	10441345
END6673USCIP2	United States Of America	16 Apr 2012	13/448175	US-2012-0265196-A1	9168054
END6673USDCO1	United States Of America	13 Nov 2013	29/472537		D752740
END6673USDCO2	United States Of America	13 Nov 2013	29/472538		D730297
END6673USDCO3	United States Of America	13 Nov 2013	29/472539		D729741
END6673USCNT1	United States Of America	13 Mar 2015	14/657850	US-2015-0182276-A1	10201382
END6673USDIV2	United States Of America	28 Sep 2015	14/867966	US-2016-0089533	9623237
END6673USREI	United States Of America	26 Oct 2017	15/795156		RE47996
END6673USCNT3	United States Of America	15 Jan 2019	16/248160	US2019-0282292A1	
END6675USNP	United States Of America	09 Oct 2009	12/576776	US-2011-0087218-A1	8939974
END6675USNP1	United States Of America	09 Oct 2009	12/576756	US-2011-0087220-A1	10172669
END6675USNP2	United States Of America	09 Oct 2009	12/576789	US-2011-0087219-A1	8747404
END6675USNP3	United States Of America	09 Oct 2009	12/576808	US-2011-0087208-A1	8574231
END6675USNP4	United States Of America	09 Oct 2009	12/576831	US-2011-0087209-A1	8906016
END6675USDP	United States Of America	16 May 2011	29/391990		D716945
END6686USNP	United States Of America	11 Feb 2010	12/703899	US-2011-0196405-A1	8419759
END6687USNP	United States Of America	11 Feb 2010	12/703893	US-2011-0196404-A1	8961547
END6687USDIV1	United States Of America	06 Jan 2015	14/590574	US-2015-0119916-A1	9962182
END6688USNP	United States Of America	11 Feb 2010	12/703860	US-2011-0196286-A1	8531064
END6689USNP	United States Of America	11 Feb 2010	12/703864	US-2011-0196287-A1	8323302
END6690USNP	United States Of America	11 Feb 2010	12/703866	US-2011-0196398-A1	8951272
END6690USDIV1	United States Of America	06 Jan 2015	14/590580	US-2015-0123348-A1	9649126
END6690USDIV2	United States Of America	18 May 2015	14/715281	US-2015-0250495	10117667
END6690USDIV3	United States Of America	19 Oct 2018	16/165264	US-2019-0053822-A1	
END6691USNP	United States Of America	11 Feb 2010	12/703870	US-2011-0196399-A1	9259234
END6691USDIV1	United States Of America	08 Feb 2016	15/018254	US-2016-0206342-A1	
END6692USNP	United States Of America	11 Feb 2010	12/703875	US-2011-0196400-A1	8469981
END6692USDIV1	United States Of America	10 May 2013	13/891269	US-2013-0245659-A1	9427249
END6693USNP	United States Of America	11 Feb 2010	12/703877	US-2011-0196401-A1	8382782
END6694USNP	United States Of America	11 Feb 2010	12/703879	US-2011-0196402-A1	8486096
END6694USDIV1	United States Of America	15 Jul 2013	13/942103	US-2013-0345733-A1	9107689
END6694USDIV3	United States Of America	05 Dec 2017	15/832241	US-2018-0199957-A1	10835768
END6694USDIV2	United States Of America	17 Aug 2015	14/827764	US2015-0351789	9848901
END6695USNP	United States Of America	11 Feb 2010	12/703885	US-2011-0196403-A1	8579928
END6695USDIV1	United States Of America	11 Nov 2013	14/076472	US-2014-0066962-A1	9510850
END6699USPSP	United States Of America	21 Dec 2009	61/288375		
END6699USNP	United States Of America	17 Dec 2010	12/971249	US-2011-0152759-A1	8591459
END6699USCNT1	United States Of America	14 Sep 2016	15/264880	US-2017-0000413	10568566
END6699USDIV1	United States Of America	24 Oct 2013	14/062276	US-2014-0051950-A1	9456779
END6699USCNT2	United States Of America	26 Dec 2019	16/727585	US-2020-0163618	
END6700USPSP	United States Of America	08 Nov 2004	60/625885		
END6700USNP	United States Of America	28 Oct 2005	11/261243	US-2006-0100652	7479148
END6718USNP	United States Of America	14 May 2010	12/780064	US-2011-0282237-A1	
END6735USNP	United States Of America	30 Sep 2010	12/894340	US-2012-0080482-A1	8899463
END6735USCIP1	United States Of America	29 Apr 2011	13/097865	US-2012-0080488	9295464
END6739USCNT1	United States Of America	18 Jan 2017	15/408931	US2017-0119395A1	10470770
END6739USCNT2	United States Of America	23 Sep 2019	16/578808	US2020-0085438A1	
END6743USNP	United States Of America	09 Sep 2010	12/878065	US-2012-0061448-A1	8360296
END6743USCNT2	United States Of America	07 Jul 2014	14/324772	US-2014-0326777	9232945

END6743USDIV1	United States Of America	30 Dec 2015	14/983694	US-2016-0113653	10675035
END6743USCNT1	United States Of America	18 Dec 2012	13/718405	US2013-0105551A1	8794497
END6746USNP	United States Of America	17 Sep 2010	12/884838	US2012-0071711A1	9289212
END6746USCNT2	United States Of America	07 Aug 2013	13/961245	US-2013-0324982-A1	10492787
END6746USCNT1	United States Of America	07 Aug 2013	13/961236	US-2013-0324981-A1	10188393
END6746USCNT3	United States Of America	21 Dec 2018	16/230378	US-2019-0183506-A1	
END6755USNP	United States Of America	07 May 2010	12/775809	US-2011-0275901-A1	
END6755USNP1	United States Of America	07 May 2010	12/775819	US-2011-0276084-A1	9226760
END6790USPSP	United States Of America	23 Mar 2010	61/316525		
END6790USNP	United States Of America	22 Mar 2011	13/053845	US-2011-0237901-A1	8449460
END6800USDP	United States Of America	26 Sep 2011	29/398667		D685472
END6810USCNT1	United States Of America	28 Feb 2018	15/907579	US-2018-0200009-A1	10856943
END6815USPSP	United States Of America	14 Feb 2012	61/598395		
END6815USNP	United States Of America	06 Feb 2013	13/760297	US-2013-0206813-A1	
END6816USNP	United States Of America	19 May 2011	13/111770		8833629
END6816USCNT1	United States Of America	30 Jul 2014	14/446433	US-2014-0332579-A1	10070867
END6816USDIV1	United States Of America	29 Aug 2018	16/115989	US-2018-0375562-A1	
END6819USNP	United States Of America	29 Jun 2012	13/538601	US-2014-0005702	
END6819USPCT	United States Of America	14 Jun 2013	PCT/US2013/045802us		
END6819USDIV1	United States Of America	15 May 2017	15/595729	US-2017-0245875-A1	10779845
END6838USPSP	United States Of America	17 Jun 2010	61/355832		
END6838USNP	United States Of America	09 Jun 2011	13/156420	US-2011-0313433-A1	9168037
END6840USNP	United States Of America	30 Sep 2010	12/894338	US-2012-0080481	8864007
END6840USCIP1	United States Of America	29 Apr 2011	13/097954	US-2012-0080340	10136890
END6840USCIP2	United States Of America	08 Feb 2013	13/763192	US-2013-0146642-A1	9615826
END6840USCNT1	United States Of America	23 Mar 2016	15/078459	US-2016-0199064	10265074
END6840USCNT3	United States Of America	30 Mar 2017	15/474798	US-2017-0360442	10548600
END6840USCNT2	United States Of America	30 Mar 2017	15/473897	US-2017-0265856	10869669
END6840USCNT4	United States Of America	23 Sep 2020	17/029782		
END6841USNP	United States Of America	30 Sep 2010	12/894369	US-2012-0080336-A1	
END6841USCIP1	United States Of America	29 Apr 2011	13/097856	US-2012-0080336-A1	
END6841USCIP2	United States Of America	23 Sep 2011	13/242029	US-2012-0080493-A1	8893949
END6841USCIP3	United States Of America	23 Sep 2011	13/242066	US-2012-0080498	
END6841USCNT3	United States Of America	29 Jun 2015	14/754205	US-2015-0297219	10149682
END6841USCNT4	United States Of America	29 Jun 2015	14/754216	US-2015-0374374	10265072
END6841USCNT2	United States Of America	20 Nov 2014	14/549219	US2015-0136835A1	10064624
END6841USCNT1	United States Of America	20 Nov 2014	14/549098	US2015-0136833A1	9826978
END6841USCNT6	United States Of America	29 Jun 2015	14/754236	US-2015-0374376	10335150
END6841USCNT7	United States Of America	29 Jun 2015	14/754245	US-2015-0374377	10182819
END6841USCNT8	United States Of America	25 Oct 2017	15/793382	US-2018-0103953-A1	10743877
END6841USCNT9	United States Of America	30 Aug 2019	16/556987	US-2020-0187943-A1	
END6843USNP	United States Of America	30 Sep 2010	12/894377	US-2012-0080334	8393514
END6843USCIP1	United States Of America	29 Apr 2011	13/097891	US-2012-0080489-A1	8864009
END6843USCIP16	United States Of America	25 Jun 2012	13/531623	US-2012-0318843-A1	9320518
END6843USCIP17	United States Of America	25 Jun 2012	13/531627	US-2012-0312860-A1	9307965
END6843USCIP18	United States Of America	25 Jun 2012	13/531630	US-2012-0318844-A1	9314246
END6843USCIP14	United States Of America	25 Jun 2012	13/531619	US-2012-0318842-A1	9345477
END6843USCIP5	United States Of America	28 Mar 2012	13/433136	US 2012/0241492	9839420
END6843USCIP2	United States Of America	28 Mar 2012	13/433098	US-2012-0241491-A1	9301753
END6843USCIP3	United States Of America	28 Mar 2012	13/433102	US-2012-0241497-A1	9232941
END6843USCIP4	United States Of America	28 Mar 2012	13/433114	US-2012-0241499-A1	9386988
END6843USCIP6	United States Of America	28 Mar 2012	13/433141	US-2012-0241493-A1	10123798
END6843USCIP7	United States Of America	28 Mar 2012	13/433144	US-2012-0241500-A1	9277919
END6843USCIP8	United States Of America	28 Mar 2012	13/433148	US-2012-0241501-A1	9220500
END6843USCIP9	United States Of America	28 Mar 2012	13/433155	US-2012-0241502-A1	9480476
END6843USCIP10	United States Of America	28 Mar 2012	13/433163	US-2012-0248169-A1	
END6843USCIP11	United States Of America	28 Mar 2012	13/433167		9220501
END6843USCIP13	United States Of America	28 Mar 2012	13/433179	US-2012-0241505-A1	9364233
END6843USCIP19	United States Of America	08 Feb 2013	13/763028	US2013-0146643A1	9282962
END6843USCNT1	United States Of America	21 May 2014	14/283733	US-2014-0252066-A1	9833236
END6843USCNT2	United States Of America	20 Oct 2014	14/518652	US-2015-0083780	9924947
END6843USCNT3	United States Of America	20 Oct 2014	14/518677		9801634
END6843USCIP20	United States Of America	20 Mar 2014	14/220779	US2014-0205637A1	9629814
END6843USCNT4	United States Of America	17 Jun 2015	14/742311	US2015-0335329	10028743
END6843USCNT5	United States Of America	17 Jun 2015	14/742321	US-2015-0342607	10335148
END6843USCNT6	United States Of America	22 Jun 2015	14/746325	US-2015-0289870	9358005
END6843USCNT7	United States Of America	22 Jun 2015	14/746344	US-2015-0313594-A1	

END6843USCNT9	United States Of America	22 Jun 2015	14/746373	US-2015-0282809	9572574
END6843USCNT10	United States Of America	22 Jun 2015	14/746387	US-2015-0282810	10258330
END6843USCNT11	United States Of America	30 Jun 2015	14/755715	US-2015-0313591-A1	9808247
END6843USCNT12	United States Of America	30 Jun 2015	14/755864	US-2015-0305745	9844372
END6843USCNT14	United States Of America	25 Nov 2015	14/952486	US-2016-0074040-A1	
END6843USDIV1	United States Of America	07 Jun 2016	15/175888	US-2016-0287254	9833238
END6843USCNT20	United States Of America	06 Apr 2017	15/480854	US-2017-0367991	10624861
END6843USCNT18	United States Of America	13 Jun 2016	15/180905	US-2016-0287249	10363031
END6843USCNT19	United States Of America	22 Sep 2016	15/273389	US-2017-0007253	9795383
END6843USCNT16	United States Of America	11 Jan 2016	14/992475	US-2016-0199063	
END6843USCNT15	United States Of America	28 Dec 2015	14/980239	US-2016-0220254	9833242
END6843USCNT22	United States Of America	20 Oct 2017	15/789615		
END6843USCNT8	United States Of America	22 Jun 2015	14/746360	US-2015-0297218	9883861
END6843USCIP12	United States Of America	28 Mar 2012	13/433175	US-2012-0253298	9332974
END6843USCNT23	United States Of America	11 Dec 2017	15/837808	US-2018-0271520	
END6843USCNT21	United States Of America	20 Oct 2017	15/789615	US-2018-0055510-A1	10258332
END6843USCNT24	United States Of America	12 Oct 2018	16/158501	US-2019-0105038	
END6843USCNT25	United States Of America	15 Nov 2019	16/684819	US2020-0268377A1	
END6843USCNT26	United States Of America	22 Nov 2019	16/691905	US-2020-0246001-A1	
END6843USCNT27	United States Of America	13 Mar 2020	16/818133	US2020-0281587A1	
END6843USCNT28	United States Of America	17 Apr 2020	16/851528	US2020-0315983A1	
END6843USCNT29	United States Of America	12 Nov 2018	16/188107	US-2019-0269403	10945731
END6843USCNT30	United States Of America	27 Dec 2018	16/233521	US-2019-0269400	
END6843USCNT31	United States Of America	16 Sep 2020	17/022879	US-2021-0059666	
END6843USCNT32	United States Of America	24 Sep 2020	17/030652	US-2021-0085314	
END6843USCNT33	United States Of America	08 Mar 2021	17/194562		
END6843USCNT34	United States Of America	08 Mar 2021	17/194567		
END6843USCNT35	United States Of America	09 Mar 2021	17/195921		
END6843USCNT36	United States Of America	09 Mar 2021	17/195925		
END6843USCNT37	United States Of America	09 Mar 2021	17/196549		
END6843USCNT38	United States Of America	10 Mar 2021	17/197510		
END6843USCNT39	United States Of America	10 Mar 2021	17/197524		
END6848USNP	United States Of America	30 Sep 2010	12/894360	US-2012-0080484-A1	9113862
END6848USCIP1	United States Of America	29 Apr 2011	13/097907	US-2012-0080338-A1	9301755
END6848USCIP6	United States Of America	08 Feb 2013	13/763065	US-2013-0221065-A1	9566061
END6848USCIP2	United States Of America	08 Feb 2013	13/763035	US-2013-02214030-A1	10213198
END6848USCIP3	United States Of America	08 Feb 2013	13/763042	US-2013-0221063-A 1	9861361
END6848USCIP4	United States Of America	08 Feb 2013	13/763048	US-2013-0221064	9700317
END6848USCIP5	United States Of America	08 Feb 2013	13/763054	US-2014-0097227-A1	9272406
END6848USCNT1	United States Of America	27 Oct 2017	15/796254	US-2018-0116658	
END6849USNP	United States Of America	30 Sep 2010	12/894322	US-2012-0080501-A1	8740034
END6849USCIP1	United States Of America	29 Apr 2011	13/097861	US-2012-0080337-A1	9113865
END6849USCNT1	United States Of America	27 May 2015	14/722593	US-2015-0335328	10194910
END6857USNP	United States Of America	30 Sep 2010	12/894389	US-2012-0080335-A1	8740037
END6857USCIP1	United States Of America	29 Apr 2011	13/097873	US-2012-0083833-A1	8740038
END6857USCNT1	United States Of America	22 May 2014	14/284995	US-2014-0252068	9592053
END6857USCNT2	United States Of America	10 Mar 2017	15/456032	US-2017-0311950	10463372
END6857USCNT3	United States Of America	26 Oct 2017	15/794426	US-2018-0110520	10888328
END6857USCNT4	United States Of America	26 Oct 2017	15/794443	US-2018-0103955-A1	10898193
END6857USCNT5	United States Of America	26 Oct 2017	15/794459	US-2018-0110521	10835251
END6861USNP	United States Of America	30 Sep 2010	12/894330	US-2012-0080503-A1	8757465
END6861USCNT1	United States Of America	23 Jun 2014	14/311976	US-2014-0367447-A1	9814462
END6864USNP	United States Of America	30 Sep 2010	12/894388	US-2012-0080487-A1	8474677
END6864USCIP1	United States Of America	28 Mar 2012	13/433096	US-2012-0241496-A1	9301752
END6864USCIP2	United States Of America	28 Mar 2012	13/433103	US-2012-0241498-A1	9433419
END6864USDIV1	United States Of America	10 Aug 2016	15/232852	US-2016-0345976-A1	
END6864USCNT1	United States Of America	04 Mar 2021	17/191999		
END6869USNP	United States Of America	08 Jul 2010	12/832129	US-2012-0010569-A1	
END6870USNP	United States Of America	01 Oct 2010	12/896411	US2012-0083784A1	8979890
END6870USNP1	United States Of America	01 Oct 2010	12/896420	US2012-0083783A1	8888809
END6870USCNT1	United States Of America	30 Jun 2014	14/320047	US-2014-0316408-A1	9707030
END6870USDIV1	United States Of America	25 Aug 2014	14/467919	US-2015-0018826-A1	9554846
END6879USCNT1	United States Of America	08 Feb 2018	15/891660	US-2018-0168587	
END6881USNP	United States Of America	17 Sep 2010	12/884995	US-2012-0071866-A1	8632525
END6881USCNT1	United States Of America	13 Jan 2014	14/153758	US2014-0128850A1	10039529
END6881USCNT3	United States Of America	07 Mar 2019	16/295322	US-2019-0269387	
END6882USCNT2	United States Of America	11 May 2017	15/592820	US-2018-0000483	10695062
END6882USCNT3	United States Of America	16 Jun 2020	16/902443	US-2021-0000470-A1	

END6884USNP	United States Of America	29 Sep 2010	12/893461	US-2012-0074198-A1	8733613
END6884USCNT1	United States Of America	21 Feb 2013	13/772903	US-2013-0161375	9131940
END6884USCNT2	United States Of America	08 Jun 2015	14/733026	US-2015-0265276	10130363
END6884USCNT3	United States Of America	05 Oct 2018	16/153111	US-2019-0105042-A1	10898191
END6884USCNT4	United States Of America	21 Dec 2020	17/129032		
END6888USPSP	United States Of America	24 Sep 2010	61/386094		
END6888USNP	United States Of America	19 Sep 2011	13/235623	US2012-0078243A1	9877720
END6888USNP1	United States Of America	19 Sep 2011	13/235648	US2012-0078244A1	
END6888USNP3	United States Of America	23 Sep 2011	13/241637	US-2012-0074201-A1	8789741
END6888USCIP1	United States Of America	19 Sep 2012	13/622729	US2013-0030428A1	9089327
END6888USCIP2	United States Of America	19 Sep 2012	13/622735	US2013-0023868A1	9545253
END6888USCNT1	United States Of America	27 Oct 2016	15/335762	US2017-0042605A1	10188453
END6888USCNT2	United States Of America	10 Jan 2019	16/244152	US-2019-0216532	
END6888USNP2	United States Of America	23 Sep 2011	13/241629	US-2012-0074200-A1	
END6889USPSP	United States Of America	24 Sep 2010	61/386117		
END6889USNP	United States Of America	19 Sep 2011	13/235660	US2012-0078247A1	9402682
END6889USNP1	United States Of America	19 Sep 2011	13/235683	US2012-0078248A1	9220559
END6889USCIP1	United States Of America	15 Jan 2013	13/741650	US-2013-0131651-A1	
END6889USCNT1	United States Of America	07 Jul 2016	15/204083	US-2016-0310208	9730753
END6889USCNT2	United States Of America	17 Jul 2017	15/651112	US-2018-0000539	10660696
END6889USDIV1	United States Of America	15 May 2020	16/875602	US-2020-0380722-A1	
END6895USPSP	United States Of America	05 Nov 2010	61/410603		
END6895USPSP1	United States Of America	19 May 2011	61/487846		
END6895USNP6	United States Of America	02 Jun 2011	13/151512	US-2012-0110810-A1	9072523
END6895USNP1	United States Of America	02 Jun 2011	13/151481	US-2012-0116379-A1	9161803
END6895USNP2	United States Of America	02 Jun 2011	13/151488	US-2012-0111591-A1	
END6895USNP3	United States Of America	02 Jun 2011	13/151498	US-2012-0115007-A1	9017851
END6895USNP4	United States Of America	02 Jun 2011	13/151503	US-2012-0116380-A1	9597143
END6895USNP5	United States Of America	02 Jun 2011	13/151509	US-2012-0110824-A1	9089338
END6895USNP	United States Of America	02 Jun 2011	13/151471	US-2012-0112690-A1	9000720
END6895USNP22	United States Of America	18 Oct 2011	13/275547	US-2012-0116381-A1	
END6895USNP16	United States Of America	17 Oct 2011	13/274516	US-2012-0116264	9247986
END6895USNP17	United States Of America	17 Oct 2011	13/274540	US-2012-0116390	9039720
END6895USNP18	United States Of America	17 Oct 2011	13/274805	US-2012-0116396-A1	8998939
END6895USNP19	United States Of America	17 Oct 2011	13/274830	US-2012-0116433-A1	9192428
END6895USNP20	United States Of America	18 Oct 2011	13/275495	US-2012-0116265	
END6895USNP27	United States Of America	19 Oct 2011	13/276687	US-2012-0116365-A1	9011427
END6895USNP25	United States Of America	19 Oct 2011	13/276660	US-2012-0116364-A1	9364279
END6895USNP26	United States Of America	19 Oct 2011	13/276673	US-2012-0116267-A1	9526921
END6895USNP28	United States Of America	19 Oct 2011	13/276707	US-2012-0116366-A1	9649150
END6895USNP29	United States Of America	19 Oct 2011	13/276725	US-2012-0116367-A1	9095346
END6895USNP30	United States Of America	19 Oct 2011	13/276745	US-2012-0115005-A1	9017849
END6895USCIP1	United States Of America	20 Oct 2011	13/277328	US-2012-0116391-A1	9782214
END6895USNP7	United States Of America	10 Oct 2011	13/269870	US-2012-0116388-A1	9510895
END6895USNP8	United States Of America	11 Oct 2011	13/270667	US-2012-0116394-A1	9011471
END6895USNP9	United States Of America	11 Oct 2011	13/270684	US-2012-0116395-A1	9308009
END6895USNP10	United States Of America	11 Oct 2011	13/270701	US-2012-0116260-A1	10085792
END6895USNP11	United States Of America	12 Oct 2011	13/271352	US-2012-0116363-A1	9375255
END6895USNP12	United States Of America	12 Oct 2011	13/271364	US-20120116389-A1	9421062
END6895USNP13	United States Of America	17 Oct 2011	13/274480	US-2012-0116261	
END6895USNP14	United States Of America	17 Oct 2011	13/274496	US-2012-0116262	
END6895USNP15	United States Of America	17 Oct 2011	13/274507	US-2012-0116263	10143513
END6895USNP21	United States Of America	18 Oct 2011	13/275514	US-2012-0112687-A1	9381058
END6895USNP23	United States Of America	18 Oct 2011	13/275563	US-2012-0116266-A1	
END6895USDIV1	United States Of America	01 Jul 2015	14/788915	US-2015-035763-A1	10881448
END6895USCNT2	United States Of America	18 Jul 2016	15/212423	US-2016-0329614-A1	10660695
END6895USDIV2	United States Of America	11 Jan 2016	14/992104	US-2016-0121143-A1	10959769
END6895USCNT1	United States Of America	28 Jan 2016	15/008530	US-2016-0206900-A1	9782215
END6895USDIV4	United States Of America	16 Mar 2017	15/460822	US-2017-0245913-A1	10973563
END6895USDIV5	United States Of America	05 Sep 2017	15/695151	US-2018-0055559	
END6895USCNT4	United States Of America	22 Dec 2020	17/131020		
END6895USCNT5	United States Of America	02 Aug 2019	16/530009	US-2020-0078084	10945783
END6895USCNT6	United States Of America	23 Aug 2019	16/549798	US 2020-0054387	
END6895USCNT7	United States Of America	03 Feb 2020	16/779748	US-2020-0229863	
END6895USCNT8	United States Of America	04 Feb 2021	17/167476		
END6902USNP	United States Of America	02 Jun 2011	13/151515	US-2012-0305427-A1	10080813
END6904USNP	United States Of America	06 Jul 2011	13/176875	US2013-0009606A1	9364288
END6906USPSP	United States Of America	15 Nov 2010	61/413680		

END6906USNP	United States Of America	14 Nov 2011	13/295186	US-2012-0123471-A1	9125646
END6906USDIV1	United States Of America	31 Jul 2015	14/814841	US-2016-0015383-A1	9844366
END6907USPSP	United States Of America	15 Nov 2010	61/413696		
END6907USNP	United States Of America	14 Nov 2011	13/295203	US-2012-0150199-A1	8702732
END6907USCNT1	United States Of America	14 Nov 2011	13/295210	US-2012-0143223-A1	8906043
END6907USCNT1	United States Of America	12 Nov 2014	14/539136	US-2015-0142020	9833232
END6917USNP	United States Of America	17 Dec 2013	14/109190	US-2015-0164532-A1	9724120
END6920USNP	United States Of America	09 Jun 2011	13/156420		
END6926USPSP	United States Of America	14 Mar 2011	61/452432		
END6926USNP	United States Of America	13 Jul 2011	13/181768	US-2012-0234890-A1	9113883
END6926USNP2	United States Of America	13 Jul 2011	13/181779	US-2012-0234892-A1	9125654
END6932USNP	United States Of America	13 Jul 2011	13/181807	US-2012-0238829-A1	8827903
END6926USNP1	United States Of America	13 Jul 2011	13/181774	US-2012-0234891-A1	8978955
END6926USNP3	United States Of America	13 Jul 2011	13/181786	US-2012-0234898-A1	9033204
END6926USNP8	United States Of America	13 Jul 2011	13/181827	US-2012-0238824-A1	9089330
END6926USNP4	United States Of America	13 Jul 2011	13/181798	US-2012-0239010-A1	9113884
END6926USNP5	United States Of America	13 Jul 2011	13/181831	US-2012-0239082-A1	8858590
END6926USNP6	United States Of America	13 Jul 2011	13/181842	US-2012-0239075-A1	8734478
END6926USNP7	United States Of America	13 Jul 2011	13/181836	US-2012-0238823-A1	9211122
END6930USNP	United States Of America	13 Jul 2011	13/181801	US-2012-0238826-A1	8632462
END6926USCNT5	United States Of America	01 Jul 2015	14/788923	US-2015-0297210	10130352
END6926USCNT1	United States Of America	08 Jan 2015	14/592132	US-2015-0122869-A1	9980713
END6926USCNT4	United States Of America	23 Jul 2015	14/806819	US-2015-0327853-A1	10045769
END6926USCNT2	United States Of America	04 May 2015	14/703109	US-2015-0230783	9974529
END6926USCNT3	United States Of America	04 May 2015	14/703155	US-2015-0230784	9918704
END6926USCNT6	United States Of America	22 Sep 2016	15/273358	US-2017-0007229	10588612
END6926USCNT7	United States Of America	07 May 2018	15/972344	US-2018-0325508	10751040
END6926USCNT8	United States Of America	09 Aug 2018	16/059587	US-2019-0021718	10898177
END6926USCNT9	United States Of America	03 Oct 2018	16/150589	US-2019-0029661-A1	
END6926USCNT10	United States Of America	20 Aug 2020	16/998379		
END6938USNP	United States Of America	13 Sep 2013	14/026662	US-2015-008089	9814514
END6938USCNT1	United States Of America	24 Oct 2017	15/792311	US-2018-0042658-A1	10925659
END6943USPSP1	United States Of America	19 May 2011	61/487954		
END6943USNP	United States Of America	27 Apr 2012	13/457887	US-2013-0116717-A1	
END6943USPSP	United States Of America	28 Apr 2011	61/479901		
END6943USCNT1	United States Of America	23 Jul 2015	14/806762	US-2015-0327882-A1	
END6959USPSP	United States Of America	24 Mar 2011	61/467180		
END6959USNP	United States Of America	21 Mar 2012	13/426084	US-2012-0245582-A1	8974447
END6975USDIV2	United States Of America	18 Feb 2019	16/278529	US2019-0321073A1	
END6986USNP	United States Of America	03 Oct 2011	13/251682	US-2013-0082086-A1	8899464
END6987USNP	United States Of America	07 Oct 2011	13/267922	US2013-0087599A1	9089326
END6996USNP	United States Of America	15 Sep 2011	13/233681	US-2013-0068821	9254180
END7002USNP	United States Of America	27 May 2011	13/118241	US-2012-0298719-A1	9072535
END7002USCNT1	United States Of America	25 Jun 2014	14/314367	US-2014-0305995	9271799
END7002USCNT2	United States Of America	29 May 2015	14/725181	US-2015-0265357	10130366
END7002USCNT6	United States Of America	28 Mar 2017	15/471705	US2017-0245953A1	10231794
END7002USCNT5	United States Of America	28 Mar 2017	15/471698	US-2017-0245952	10617420
END7002USCNT7	United States Of America	19 Jul 2017	15/654171	US-2017-0311951	10004506
END7002USCNT8	United States Of America	27 Oct 2017	15/796257	US-2018-0110522	
END7002USCNT9	United States Of America	06 Jun 2019	16/433458	US-2020-0060681	
END7002USCNT10	United States Of America	09 Apr 2020	16/844150	US2020-0297346A1	
END7002USCNT11	United States Of America	25 Sep 2020	17/032279		
END7008USNP	United States Of America	10 Oct 2011	13/269875	US-2013-0090575	9763690
END7009USNP	United States Of America	10 Oct 2011	13/269883	US-2013-0090675	9629652
END7010USNP	United States Of America	13 Oct 2011	13/272614	US-2013-0096468-A1	8734476
END7011USNP	United States Of America	10 Oct 2011	13/269894	US-2013-0090576	
END7012USNP	United States Of America	10 Oct 2011	13/269899	US2013-0090577A1	9050125
END7012USCNT1	United States Of America	05 Jun 2015	14/731581	US-2015-0265309-A1	9872699
END7012USCNT2	United States Of America	18 Dec 2017	15/844939	US2018-0146977A1	10653897
END7013USNP	United States Of America	23 Sep 2011	13/241922	US-2013-0075449-A1	9216019
END7013USCNT1	United States Of America	04 Nov 2015	14/932574	US-2016-0120547-A1	9592054
END7017USNP	United States Of America	13 Feb 2012	13/372205	US-2013-0206814-A	9044230
END7017USCNT1	United States Of America	23 Apr 2015	14/694485	US-2015-0223816	9730697
END7017USCNT2	United States Of America	22 Mar 2017	15/465919		10695063
END7019USNP	United States Of America	23 Sep 2011	13/241912	US-2013-0075448-A1	9050084
END7019USCNT1	United States Of America	08 Jun 2015	14/733471	US2015-0342606	9687237
END7020USNP	United States Of America	23 Sep 2011	13/242086	US-2013-0075450	9055941
END7022USNP	United States Of America	07 Dec 2011	13/313215	US-2013-0146638	9125651

END7023USNP	United States Of America	05 Jan 2012	13/344061	US-2013-0175318	9186148
END7023USCNT1	United States Of America	13 Oct 2015	14/881533	US-2016-0030038-A1	10226246
END7024USNP	United States Of America	05 Jan 2012	13/344071	US-2013-0175319-A1	9095340
END7025USNP	United States Of America	05 Jan 2012	13/344093	US-2013-0175320-A1	9549738
END7026USNP	United States Of America	16 Dec 2011	13/328344	US-2013-0153630-A1	9603599
END7026USCNT1	United States Of America	15 Feb 2017	15/433266	US-2017-0215883	10631867
END7027USNP	United States Of America	16 Dec 2011	13/328402	US-2013-0153631-A1	9220505
END7027USCNT1	United States Of America	18 Nov 2015	14/944387	US-2016-0066906-A1	9717496
END7034USNP	United States Of America	15 Oct 2012	13/651589	2014-0103093	9386985
END7035USNP	United States Of America	26 Mar 2012	13/429647	US-2013-0248577-A1	9078653
END7035USCNT1	United States Of America	22 Jun 2015	14/746305	US2015-0289874A1	10166025
END7035USCNT2	United States Of America	21 Dec 2018	16/230343	US 2019-0192161	
END7042USNP	United States Of America	29 Jun 2012	13/539096	US-2014-0005682-A1	9198714
END7042USPCT	United States Of America	14 Jun 2013	PCT/US2013/045807us		
END7042USCNT2	United States Of America	20 Mar 2017	15/463526	US-2017-0319228	10335183
END7042USCNT1	United States Of America	23 Oct 2015	14/921430	US2016-0106509A1	9737326
END7042USCNT3	United States Of America	24 May 2019	16/422415	US-2020-0022724-A1	10966747
END7043USNP	United States Of America	29 Jun 2012	13/539110	US-2014-0005654-A1	9326788
END7043USPCT	United States Of America	14 Jun 2013	PCT/US2013/045814us		
END7043USCNT1	United States Of America	02 May 2016	15/144310	US-2016-0317217	10398497
END7043USCNT2	United States Of America	09 Jul 2019	16/506246	US-2020-0015883-A1	
END7044USNP	United States Of America	29 Jun 2012	13/539117	US-2014-0005667-A1	9226767
END7044USCNT1	United States Of America	04 Jan 2016	14/987161	US2016-0192999A1	9713507
END7044USCNT2	United States Of America	05 Jun 2017	15/613838	US2017-0348064A1	10524872
END7044USCNT3	United States Of America	02 Jan 2020	16/732853	US-2020-0222135	
END7046USNP	United States Of America	22 Oct 2012	13/657315	US-2014-0114327-A1	10201365
END7046USCNT1	United States Of America	21 Dec 2018	16/230444	US-2019-0209201	
END7047USNP	United States Of America	29 Jun 2012	13/538700	US-2014-0005703-A1	9408622
END7047USDIV2	United States Of America	27 Dec 2018	16/233911	US-2019-0201048	
END7048USNP	United States Of America	29 Jun 2012	13/538711	US2014-0005704	9351754
END7048USCNT1	United States Of America	27 May 2016	15/167193	US-2016-0346001-A1	10543008
END7048USDIV1	United States Of America	27 Jan 2020	16/773202	US-2020-0229833-A1	
END7049USNP	United States Of America	29 Jun 2012	13/538720	US-2014-0005705-A1	
END7049USPCT	United States Of America	13 Jun 2013	PCT/US2013/045632us		
END7049USCNT2	United States Of America	16 Sep 2020	17/022337		
END7050USNP	United States Of America	29 Jun 2012	13/538733	US-2014-0005681-A1	9820768
END7050USCNT1	United States Of America	31 Oct 2017	15/799367	US-2018-0049767	10842580
END7050USCNT2	United States Of America	20 Nov 2020	17/100311		
END7051USNP	United States Of America	29 Jun 2012	13/539122	US-2014-0005668-A1	9283045
END7051USCNT1	United States Of America	14 Mar 2016	15/069604		
END7052USNP1	United States Of America	25 Aug 2011	13/217927	US2013-0053777A1	8496632
END7052USNP2	United States Of America	25 Aug 2011	13/217961	US2013-0053782A1	8496633
END7052USNP3	United States Of America	25 Aug 2011	13/217973	US2013-0053778A1	8491545
END7052USNP4	United States Of America	25 Aug 2011	13/217987	US2013-0053779A1	8486045
END7052USCNT1	United States Of America	02 Jul 2013	13/933631	US-2014-0046299-A1	
END7054USNP	United States Of America	31 May 2012	13/484547	US-2013-0324998	9301772
END7055USCNT1	United States Of America	20 Feb 2018	15/899720	US-2018-0242910-A1	
END7055USNP	United States Of America	09 Apr 2012	13/442020	US-2013-0267874	
END7056USNP	United States Of America	31 May 2012	13/484563	US-2013-0324991-A1	9681884
END7057USNP	United States Of America	18 Apr 2012	13/449837	US-2013-0282038-A1	9788851
END7057USCNT1	United States Of America	26 Sep 2017	15/715738	US-2018-0070976	10653437
END7058USNP	United States Of America	22 Mar 2012	13/426760	US-2013-0253499	9364249
END7059USNP	United States Of America	22 Mar 2012	13/426792	US-2013-0253480-A1	
END7059USCNT1	United States Of America	15 Aug 2019	16/541408	US-2020-0045132-A1	
END7064USPSP	United States Of America	21 Oct 2011	61/549977		
END7064USNP	United States Of America	17 Oct 2012	13/653497	US-2013-0103065-A1	10085762
END7065USNP	United States Of America	30 Sep 2011	13/249790	US-2012-0259325-A1	
END7070USNP	United States Of America	26 Sep 2012	13/627177	US-2014-0088569-A1	9125681
END7070USCNT1	United States Of America	31 Aug 2015	14/840779	US-2016-0022298-A1	9526516
END7071USNP	United States Of America	26 Sep 2012	13/627192	US-2014-0088638-A1	
END7072USNP	United States Of America	26 Sep 2012	13/627211	US-2014-0088637-A1	
END7073USNP	United States Of America	25 Apr 2012	13/455373	US-2013-0289541-A1	8652165
END7074USPSP	United States Of America	24 Oct 2011	61/550768		
END7074USNP	United States Of America	23 Oct 2012	13/658784	US-2013-0103023	9421060
END7074USNP1	United States Of America	23 Oct 2012	13/658786	US-2013-0123776-A1	

END7074USNP2	United States Of America	23 Oct 2012	13/658787	US-2013-0103024	9414880
END7074USNP3	United States Of America	23 Oct 2012	13/658790	US-2013-0131660-A1	9333025
END7074USNP4	United States Of America	23 Oct 2012	13/658791	US-2013-0123777-A1	9283027
END7074USNP5	United States Of America	23 Oct 2012	13/658792	US-2013-0123782-A1	9314292
END7074USCNT1	United States Of America	15 Nov 2016	15/352408	US-2017-0056097	10779876
END7078USNP	United States Of America	14 Mar 2012	13/419503	US-2013-0245643	9913639
END7080USNP	United States Of America	18 Apr 2012	13/449494	US-2013-0282027-A1	9451946
END7080USNP1	United States Of America	18 Apr 2012	13/449514	US-2013-0282031-A1	9585655
END7082USNP	United States Of America	14 Mar 2012	13/419514	US-2013-0245647	9277916
END7083USNP	United States Of America	14 Mar 2012	13/419535	US-2013-0245648-A1	9427226
END7084USNP	United States Of America	10 Apr 2012	13/443101	US-2013-0267969	9814457
END7086USDP	United States Of America	24 Oct 2011	29/404676		D687549
END7088USNP	United States Of America	31 May 2012	13/484584	US-2013-0324999	9572592
END7088USCNT1	United States Of America	31 Jan 2017	15/420654	US-2017-0196585	10327798
END7088USCNT2	United States Of America	04 Feb 2019	16/266598	US-2019-0239918-A1	
END7089USNP	United States Of America	19 Sep 2012	13/622921	US-2014-0081299-A1	
END7093USNP	United States Of America	20 Sep 2013	14/032842	US-2015-0088178-A1	10231747
END7100USNP	United States Of America	28 Mar 2012	13/433115	US-2013-0256372-A1	9204880
END7100USCIP1	United States Of America	26 Jun 2012	13/532820	US-2013-0256374-A1	9314247
END7100USCIP2	United States Of America	26 Jun 2012	13/532824	US-2013-0256375-A1	9307989
END7100USCNT1	United States Of America	13 Nov 2014	14/540731	US-2015-0136830-A1	9974538
END7100USCNT2	United States Of America	13 Nov 2014	14/540779	US-2015-0136831-A1	9724098
END7100USCNT3	United States Of America	13 Nov 2014	14/540807	US-2015-0136832-A1	9918716
END7100USPCT1	United States Of America	19 Jun 2013	PCT/US2013/046540us		
END7100USPCT2	United States Of America	19 Jun 2013	PCT/US2013/046549us		
END7100USCNT4	United States Of America	25 Oct 2017	15/793123	US-2018-0110516-A1	10667808
END7100USCNT5	United States Of America	04 May 2020	16/865769	US-2020-0330094-A1	
END7100USCNT6	United States Of America	26 Mar 2021	17/213530		
END7101USNP	United States Of America	28 Mar 2012	13/433118	US-2013-0256365-A1	9414838
END7102USCIP1	United States Of America	26 Jun 2012	13/532825	US-2013-0256376-A1	9198662
END7102USNP	United States Of America	28 Mar 2012	13/433129	US-2013-0256367-A1	9211120
END7102USCIP2	United States Of America	08 Feb 2013	13/763078	US-2013-0256383-A1	9848875
END7102USCIP3	United States Of America	08 Feb 2013	13/763094	US-2013-0256377-A1	9788834
END7102USCIP4	United States Of America	08 Feb 2013	13/763106	US-2013-0256378-A1	9592050
END7102USCNT1	United States Of America	01 Nov 2017	15/800713	US-2018-0132845	
END7102USCNT2	United States Of America	13 Feb 2013	13/766325	US-2013-0256380	
END7102USCNT3	United States Of America	22 Dec 2017	15/853306	US-2018-025001-A1	
END7102USCNT4	United States Of America	07 Jun 2019	16/434317	US-2019-0290267	
END7102USCNT5	United States Of America	12 Jun 2020	16/900287	US-2020-0330092	
END7102USCNT6	United States Of America	12 Jun 2020	16/900299	US-2020-0330093	
END7102USCNT7	United States Of America	12 Jun 2020	16/900311	US2020-0337693A1	
END7102USCNT8	United States Of America	14 Sep 2020	17/020061	US 2021-0059661	
END7102USCNT9	United States Of America	24 Sep 2020	17/030658	US 2021-0085315	
END7103USNP	United States Of America	28 Mar 2012	13/433140	US-2013-0256368-A1	9241714
END7104USNP	United States Of America	28 Mar 2012	13/433147	US-2013-0256369-A1	9351730
END7104USCNT1	United States Of America	17 Mar 2016	15/073370	US-2016-0192929-A1	10117652
END7104USCNT2	United States Of America	05 Nov 2018	16/180424		
END7105USNP	United States Of America	28 Mar 2012	13/433126	US2013-0256366A1	9320523
END7105USCNT2	United States Of America	30 Aug 2019	16/556889	US2020-0085435A1	
END7106USNP	United States Of America	28 Mar 2012	13/433132	US-2013-0256373-A1	
END7107USNP	United States Of America	28 Mar 2012	13/433135	US2013-0256382A1	9517063
END7110USNP	United States Of America	21 Mar 2012	13/425900	US-2013-0253536-A1	8992547
END7110USCNT1	United States Of America	27 Mar 2015	14/671357	US-2015-0196293	9980716
END7110USCNT2	United States Of America	09 Apr 2018	15/948692	US-2018-0256154	10595852
END7111USDIV2	United States Of America	21 Mar 2018	15/927184	US-2018-0280083-A1	10729494
END7111USPSP	United States Of America	10 Feb 2012	61/597603		
END7111USNP	United States Of America	06 Feb 2013	13/760560	US-2013-0211397-A1	9232979
END7111USDIV1	United States Of America	09 Dec 2015	14/963905	US-2016-0089209	9925003
END7113USDP	United States Of America	20 Jul 2012	29/427598		D707819
END7114USDP	United States Of America	20 Jul 2012	29/427601		D701306
END7115USDP	United States Of America	20 Jul 2012	29/427602		D726315
END7116USDP	United States Of America	20 Jul 2012	29/427603		D700325
END7118USCNT2	United States Of America	08 Jul 2019	16/505078	US2020-0146741A1	
END7124USNP	United States Of America	09 May 2012	13/467333	US-2012-0290005-A1	9247938
END7125USNP	United States Of America	08 May 2012	13/466188	US-2012-0289975-A1	9113861
END7126USDIV2	United States Of America	25 Nov 2019	16/693807	US2020-0085465A1	

END7127USDP	United States Of America	31 May 2012	29/423364		D690809
END7131USNP	United States Of America	28 Jun 2012	13/536271	US-2014-0005708	9204879
END7132USNP	United States Of America	28 Jun 2012	13/536288	US-2014-0005718	
END7132USCNT1	United States Of America	15 Mar 2017	15/459558		
END7133USNP	United States Of America	28 Jun 2012	13/536277	US-2014-0001234	
END7134USNP	United States Of America	28 Jun 2012	13/536295	US-2014-0005676	9119657
END7135USNP	United States Of America	28 Jun 2012	13/536326	US-2014-0005653	9289256
END7135USCNT1	United States Of America	03 Mar 2016	15/060062	US-2016-0184039	9907620
END7135USCNT2	United States Of America	10 Nov 2017	15/809546	US-2018-0140368	10639115
END7135USCNT3	United States Of America	30 Apr 2020	16/863219	US-2020-0337791-A1	
END7136USNP	United States Of America	28 Jun 2012	13/536303	US-2014-0005661	9028494
END7137USNP	United States Of America	28 Jun 2012	13/536393	US-2014-0005640	
END7137USCNT2	United States Of America	29 Mar 2017	15/472668	US-2014-0296257	
END7137USCNT1	United States Of America	28 Dec 2016	15/392265	US-2017-0105785	
END7137USCNT3	United States Of America	13 Nov 2017	15/811027	US-2018-0125568	
END7137USCNT4	United States Of America	06 Feb 2020	16/783701	US 2020-0246063	
END7137USCNT5	United States Of America	24 Sep 2020	17/030989	US2021-0068889A1	
END7138USNP	United States Of America	28 Jun 2012	13/536362	US-2014-0005662	9125662
END7139USNP	United States Of America	28 Jun 2012	13/536284	US-2014-0000411	9072536
END7140USNP	United States Of America	28 Jun 2012	13/536374	US2014-0005693A1	9561038
END7141USNP	United States Of America	28 Jun 2012	13/536292	US-2014-0001231	
END7141USCNT3	United States Of America	08 Dec 2016	15/373030	US-2017-0086831-A1	
END7141USCNT4	United States Of America	27 Mar 2017	15/470192	US-2017-0290585-A1	
END7141USCNT5	United States Of America	27 Mar 2017	15/470246	US-2017-0215881-A1	10932775
END7141USCNT6	United States Of America	18 Sep 2017	15/706987	US-2018-0070942-A1	
END7141USCNT7	United States Of America	30 Oct 2017	15/797697	US-2018-0116662-A1	
END7141USCNT8	United States Of America	09 Oct 2018	16/155412	US-2019-0105044-A1	
END7141USCNT9	United States Of America	20 Aug 2019	16/545077	US-2020-0054332-A1	
END7141USCNT10	United States Of America	20 Aug 2019	16/545085	US-2020-0054333-A1	
END7141USCNT11	United States Of America	20 Aug 2019	16/545101	US-2020-0054334-A1	
END7141USCNT12	United States Of America	15 Sep 2020	17/020989	US-2021-0059673	
END7142USNP	United States Of America	28 Jun 2012	13/536301	US-2014-0005677-A1	8747238
END7143USCNT3	United States Of America	08 Jun 2018	16/003563	US-2018-0353176-A1	
END7143USCNT4	United States Of America	08 Jun 2018	16/003567	US-2018-0353177-A1	
END7143USCNT5	United States Of America	08 Jun 2018	16/003575	US-2018-0353178-A1	
END7143USCNT6	United States Of America	08 Jun 2018	16/003580	US-2018-0353179-A1	
END7143USNP	United States Of America	28 Jun 2012	13/536313	US-2014-0005678	
END7143USPCT	United States Of America	21 Jun 2013	PCT/US2013/047052us		
END7143USCNT1	United States Of America	11 Sep 2015	14/851751	US-2016/0000513	10258333
END7144USNP	United States Of America	28 Jun 2012	13/536323	US-2014-0001235	9408606
END7144USCNT1	United States Of America	24 Mar 2016	15/079526	US-206-0206310-A1	10485541
END7144USCNT2	United States Of America	11 Oct 2018	16/157744	US-2019-0142421-A1	
END7144USCNT3	United States Of America	28 Mar 2019	16/367899	US2019-0321040A1	
END7144USCNT4	United States Of America	28 Mar 2019	16/367920	US2019-0321041A1	
END7144USCNT5	United States Of America	28 Mar 2019	16/367932	US 2019-0290274	
END7145USNP	United States Of America	28 Jun 2012	13/536379	US2014-0005694A1	9649111
END7146USCNT1	United States Of America	03 Mar 2016	15/059439	US-2016-0183943	
END7146USCNT2	United States Of America	10 Nov 2017	15/809540	US-2018-0110523	
END7147USCNT3	United States Of America	24 May 2018	15/988796	US-2018-0344319-A1	
END7147USNP	United States Of America	28 Jun 2012	13/536360	US-2014-0005679-A1	9226751
END7147USCNT2	United States Of America	19 Jul 2017	15/654122		10687812
END7147USCNT4	United States Of America	11 Jun 2019	16/437711	US-2020-0060680	
END7147USCNT5	United States Of America	10 Mar 2020	16/814284	US-2020-0275927-A1	
END7147USCNT6	United States Of America	10 Mar 2020	16/814287	US-2020-0275928-A1	
END7148USNP	United States Of America	28 Jun 2012	13/536335	US-2014-0001236	9364230
END7149USNP	United States Of America	28 Jun 2012	13/536417	US-2014-0005680-A1	9101385
END7150USNP	United States Of America	15 Jun 2012	13/524049	US-2013-0334278-A1	9101358
END7150USCNT1	United States Of America	30 Jun 2015	14/755265	US-2015-0297221	10064621
END7150USCNT2	United States Of America	30 Aug 2018	16/117996	US-2019-0008511	10959725
END7150USCNT3	United States Of America	22 Dec 2020	17/130154		
END7151USDP	United States Of America	01 Jun 2012	29/423500		D693925
END7152USNP	United States Of America	20 Nov 2013	14/084882	US-2015-0142033-A1	9763688
END7152USDIV1	United States Of America	01 Sep 2017	15/693630	US-2018-0070974	10639058
END7153USNP	United States Of America	04 Dec 2012	13/693430	US-2014-0151429-A1	9572573
END7153USCNT1	United States Of America	20 Jul 2016	15/214839	US-2016-0324525-A1	10743866
END7154USNP	United States Of America	29 Nov 2012	13/688951	US-2014-0144968-A1	9289207
END7154USCNT1	United States Of America	10 Feb 2016	15/040281	US-2016-0235411-A1	9962163

END7154USCNT2	United States Of America	03 Apr 2018	15/943752	US-2018-0289374-A1	10779834
END7154USCNT3	United States Of America	13 Aug 2020	16/992485	US-2021-0030419-A1	
END7155USNP	United States Of America	06 Dec 2012	13/706827	US-2014-0158747-A1	
END7156USNP	United States Of America	29 Nov 2012	13/688992	US-2014-0144969-A1	9498222
END7156USCNT2	United States Of America	05 Nov 2020	17/090378		
END7158USNP	United States Of America	04 Dec 2012	13/693455	US-2014-0151430	9724100
END7158USCNT1	United States Of America	17 Jul 2017	15/651121	US-2018-0000484	10779832
END7158USCNT2	United States Of America	26 Jun 2020	16/913077	US-2020-0397442-A1	
END7159USNP	United States Of America	17 Dec 2012	13/716308	US-2014-0166727-A1	9445816
END7159USCNT1	United States Of America	19 Sep 2016	15/268684	US-2017-0000487-A1	
END7159USCNT2	United States Of America	10 Oct 2018	16/156077	US-2019-0105051-A1	10835254
END7160USNP	United States Of America	17 Dec 2012	13/716313	US-2014-0166717-A1	9532783
END7160USCNT1	United States Of America	19 Sep 2016	15/268694	US-2017-0000488-A1	10542990
END7160USCNT4	United States Of America	19 Sep 2016	15/268724	US2017-0000491A1	10492788
END7161USNP	United States Of America	17 Dec 2012	13/716318	US-2014-0166728-A1	9597081
END7161USCNT1	United States Of America	16 Mar 2017	15/460806	US-2017-0245859-A1	10512467
END7161USCNT2	United States Of America	10 Oct 2018	16/156097	US 2019-0105052	
END7161USCNT3	United States Of America	10 Oct 2018	16/156105	US 2019-0105053	
END7163USNP	United States Of America	17 Dec 2012	13/716323	US-2014-0166718-A1	9463022
END7166USNP	United States Of America	11 Dec 2012	13/710931	US-2014-0158741-A1	9445808
END7167USNP	United States Of America	25 Jan 2013	13/749889	US-2014-0214025-A1	9149325
END7168USNP	United States Of America	10 Dec 2012	13/709473	US-2014-0163541-A1	9572622
END7168USCNT1	United States Of America	09 Jan 2017	15/401211	US-2017-0112567-A1	10470817
END7168USCNT2	United States Of America	31 Jan 2017	15/420703	US-2017-0202610	10575895
END7169USNP	United States Of America	25 Jan 2013	13/749877	US-2014-0214029-A1	9241758
END7171USNP	United States Of America	29 Jan 2013	13/752588	US-2014-0214019-A1	9610114
END7171USCNT1	United States Of America	21 Feb 2017	15/437638	US-2017-0224409-A1	10945782
END7171USCNT2	United States Of America	28 Jul 2017	15/662401	US-2018-0008337-A1	10813683
END7172USCNT1	United States Of America	03 Jun 2019	16/429116	US-2019-0328419-A1	
END7173USNP	United States Of America	03 Dec 2012	13/692211	US-20140151428-A1	9566062
END7174USNP	United States Of America	28 Feb 2013	13/780067	US-2014-0243801	9186142
END7174USCNT1	United States Of America	09 Oct 2015	14/879301	US2016-0030043A1	9622747
END7175USNP	United States Of America	28 Feb 2013	13/780082	US-2014-0239041	9717497
END7175USCNT1	United States Of America	22 Feb 2017	15/439309	US-2017-0209144	9913645
END7176USNP	United States Of America	28 Feb 2013	13/780106	US-2014-0239042	9517065
END7176USCNT1	United States Of America	27 Oct 2016	15/335785	US2017-0042537A1	10687807
END7176USCNT2	United States Of America	09 Apr 2020	16/843953	US2020-0297342A1	
END7177USNP	United States Of America	28 Feb 2013	13/780120	US-2014-0239036	9839421
END7178USNP	United States Of America	28 Feb 2013	13/780162	US-2014-0239040	9867615
END7179USNP	United States Of America	28 Feb 2013	13/780171	US-2014-0239043	9622746
END7180USNP	United States Of America	28 Feb 2013	13/780379	US-2014-0239037	10092292
END7181USNP	United States Of America	28 Feb 2013	13/780402	US-2014-0239038	9795379
END7182USNP	United States Of America	28 Feb 2013	13/780417	US-2014-0239044	9808248
END7183USNP	United States Of America	10 Jan 2013	13/738329	US-2014-0194874-A1	
END7184USNP	United States Of America	10 Dec 2012	13/709420	US-2014-0163549-A1	9050100
END7185USNP	United States Of America	03 Dec 2012	13/692202	US-2014-0155878-A1	9078677
END7187USNP	United States Of America	01 Mar 2013	13/782295	US-2014-0246471	9700309
END7187USCNT1	United States Of America	23 Sep 2016	15/274900	US2017-0007347A1	
END7187USCNT2	United States Of America	23 Sep 2016	15/274939	US2017-0007254A1	10226249
END7187USCNT3	United States Of America	23 Sep 2016	15/274971	US2017-0007255A1	10285695
END7187USCNT4	United States Of America	08 Oct 2018	16/154143	US 2019-0105043	
END7188USNP	United States Of America	01 Mar 2013	13/782323	US-2014-0246472	9782169
END7189USNP	United States Of America	01 Mar 2013	13/782338	US-2014-0249557-A1	
END7190USNP	United States Of America	01 Mar 2013	13/782499	US-2014-0246474	9358003
END7191USNP	United States Of America	01 Mar 2013	13/782460	US-2014-0246478	9554794
END7192USNP	United States Of America	01 Mar 2013	13/782358	US-2014-0246477	9326767
END7193USNP	United States Of America	01 Mar 2013	13/782481	US-2014-0246479	9468438
END7194USNP	United States Of America	01 Mar 2013	13/782518	US-2014-0246475-A1	
END7195USNP	United States Of America	01 Mar 2013	13/782375	US-2014-0246473	9398911
END7196USCNT2	United States Of America	17 May 2018	15/982352	us-2018-0333155-a1	
END7196USNP	United States Of America	01 Mar 2013	13/782536	US-2014-0246476-A1	9307986
END7197USNP	United States Of America	13 Mar 2013	13/800025	US-2014-0263551-A1	9345481
END7198USNP	United States Of America	13 Mar 2013	13/800067	US-2014-0263552-A1	
END7199USPSP	United States Of America	07 Sep 2012	61/697845		
END7200USNP	United States Of America	08 Feb 2013	13/763037	US-2014-0224857	
END7201USNP	United States Of America	08 Feb 2013	13/763021	US-2014-0224686-A1	9386984
END7202USPSP	United States Of America	07 Dec 2012	61/734636		
END7202USNP	United States Of America	26 Nov 2013	14/090269	US-2014-0163595-A1	9848900

END7202USDP	United States Of America	03 Jun 2014	29/492794		D749730
END7202USCNT1	United States Of America	02 Nov 2017	15/801777	US-2018-0125522-A1	10959748
END7202USCNT2	United States Of America	04 Feb 2021	17/167486		
END7203USPSP	United States Of America	28 Sep 2012	61/707030		
END7203USNP	United States Of America	20 Sep 2013	14/032391	US-2014-0094801-A1	9492224
END7203USCNT1	United States Of America	10 May 2016	15/151105	US-2016-0270843-A1	10881449
END7204USNP	United States Of America	15 Mar 2013	13/843295	US-2014-0135804-A1	
END7204USPSP	United States Of America	15 Nov 2012	61/726890		
END7204USDIV1	United States Of America	20 Feb 2015	14/627772	US-2015-0164533	
END7204USDIV3	United States Of America	20 Feb 2015	14/627778	US-2015-0164535	
END7204USDIV4	United States Of America	20 Feb 2015	14/627783	US-2015-0164536	
END7204USDIV5	United States Of America	20 Feb 2015	14/627788	US-2015-0164537	
END7204USDIV6	United States Of America	20 Feb 2015	14/627792	US-2015-0164538	
END7204USDIV7	United States Of America	20 Feb 2015	14/627795	US-2015-0157356	
END7204USDIV2	United States Of America	20 Feb 2015	14/627775	US-2015-0164534	
END7205USNP	United States Of America	13 Mar 2013	13/798551	US-2014-0276719-A1	10058310
END7205USCNT1	United States Of America	15 Nov 2017	15/813443	US-2018-0132834-A1	
END7206USNP	United States Of America	13 Mar 2013	13/798634	US-2014-0276720-A1	9402687
END7206USCNT2	United States Of America	10 Jan 2019	16/244150	US-2019-0216535	
END7207USNP	United States Of America	13 Mar 2013	13/798663	US-2014-0276761-A1	9220569
END7207USCNT1	United States Of America	16 Nov 2015	14/942257	US-2016-0067001-A1	9980777
END7208USNP	United States Of America	13 Mar 2013	13/798677	US-2014-0276776-A1	9107685
END7208USCNT1	United States Of America	08 Jul 2015	14/793885	US-2015-0305804-A1	9782219
END7208USCNT2	United States Of America	20 Sep 2017	15/710143	US-2018-0055560	10568684
END7209USNP	United States Of America	13 Mar 2013	13/798712	US-2014-0276722-A1	9254170
END7209USDIV1	United States Of America	12 Jan 2016	14/993268	US-2016-0120596-A1	9707033
END7209USCNT1	United States Of America	26 Jun 2017	15/632868	US-2017-0354460-A1	10524856
END7209USCNT2	United States Of America	12 Dec 2019	16/712080	US-2020-0197080	
END7210USNP	United States Of America	13 Mar 2013	13/798735	US-2014-0276723-A1	9737300
END7210USCNT1	United States Of America	06 Jul 2017	15/642840	US-2017-0367702-A1	10478186
END7210USCNT2	United States Of America	07 Oct 2019	16/594621	US-2020-0093489-A1	
END7211USNP	United States Of America	13 Mar 2013	13/798766	US-2014-0276931-A1	9314308
END7211USCNT1	United States Of America	14 Mar 2016	15/069194	US-2016-0249994-A1	10813702
END7213USNP	United States Of America	11 Mar 2013	13/792947		9125645
END7213USCNT1	United States Of America	28 Jul 2015	14/810740		9724089
END7214USNP	United States Of America	11 Mar 2013	13/792976		9782167
END7215USNP	United States Of America	11 Mar 2013	13/793048		9370354
END7220USNP	United States Of America	18 Nov 2013	14/082287	US-2015-0142032-A1	9913655
END7221USPSP	United States Of America	23 Jan 2013	61/755607		
END7221USNP	United States Of America	14 Mar 2013	13/804417	US-2014-0207124-A1	
END7221USDIV1	United States Of America	18 Aug 2017	15/680484	US-2018-0028182	10675027
END7221USCNT1	United States Of America	03 Feb 2020	16/779752	US-2020-0229817	
END7222USNP	United States Of America	14 Mar 2013	13/804829	US-2014-0263563-A1	9597082
END7223USNP	United States Of America	15 Mar 2013	13/834248	US-2014-0277029	9895161
END7223USCNT1	United States Of America	03 Jan 2018	15/860896	US-2018-0153575	10772656
END7223USCNT2	United States Of America	28 Jul 2020	16/941000	US-2021-0007770-A1	
END7224USDP	United States Of America	31 Jan 2013	29/444590		D709194
END7225USPSP	United States Of America	15 Mar 2013	61/801932		
END7226USDP	United States Of America	29 Jul 2014	29/497882		D753303
END7226USPCT	United States Of America	26 Jan 2015	15/114340	US-2017-0007296-A1	
END7226USCNT1	United States Of America	28 Nov 2018	16/202998	US-2019-0150978-A1	
END7227USNP	United States Of America	14 Mar 2013	13/804205	US-2014-0276970	10226273
END7227USDIV1	United States Of America	27 Feb 2019	16/287160	US-2019-0262029-A1	
END7228USNP	United States Of America	15 Nov 2013	14/081190	US2015-0141976A1	9907600
END7229USNP	United States Of America	27 Dec 2013	14/142216	US-2015-0182250-A1	9539020
END7230USNP	United States Of America	12 Nov 2013	14/077358	US-2015-0133979-A1	9861381
END7230USCNT1	United States Of America	13 Nov 2017	15/809089	US-2018-0125523-A1	
END7231USNP	United States Of America	17 Dec 2013	14/109013	US-2015-0164531-A1	9743946
END7231USDIV1	United States Of America	18 Aug 2017	15/680495	US-2018-0055534	10470792
END7231USCNT1	United States Of America	03 Jun 2019	16/429122	US2019-0350616A1	
END7232USNP	United States Of America	14 Mar 2013	13/804908	US-2014-0276730-A1	
END7234USNP	United States Of America	15 Mar 2013	13/832197	US-2014-0276735-A1	9510906
END7235USNP	United States Of America	14 Mar 2013	13/804963	US-2014-0276731-A1	9877782
END7236USNP	United States Of America	14 Mar 2013	13/826036	US-2014-0276777	9254171
END7237USNP	United States Of America	15 Mar 2013	13/832754	US-2014-0276736	9237923
END7238USNP	United States Of America	14 Mar 2013	13/826108	US-2014-0276732-A1	9168090
END7241USNP	United States Of America	01 May 2013	13/874599	US-2014-0330273-A1	9579118
END7244USNP	United States Of America	04 Jun 2013	13/909576	US-2014-0358142-A1	9579147

END7248USNP	United States Of America	06 Jun 2013	13/911387	US-2014-0364852	9504520
END7249USNP	United States Of America	10 May 2013	13/891722	US-2014-0336629	9629648
END7250USNP	United States Of America	18 Jun 2013	13/920207	US2014-0371737A1	9775667
END7251USNP	United States Of America	06 Jun 2013	13/911291	US2014-0364851A1	9351788
END7252USNP	United States Of America	09 May 2013	13/890372	US-2014-0336628	9566110
END7253USNP	United States Of America	10 May 2013	13/891804	US-2014-0336698	9237900
END7254USNP	United States Of America	14 Mar 2013	13/803066	US2014-0263565A1	9629623
END7255USNP	United States Of America	14 Mar 2013	13/803130	US-2014-0263543	9351727
END7255USCNT1	United States Of America	17 Mar 2016	15/072649	US-2016-0192936	10238391
END7255USCNT2	United States Of America	03 Oct 2018	16/150413	US-2019-0099183	10893867
END7256USNP	United States Of America	14 Mar 2013	13/803159	US-2014-0277017-A1	9888919
END7258USNP	United States Of America	14 Mar 2013	13/803117	US-2014-0263553	9351726
END7259USNP	United States Of America	14 Mar 2013	13/803053	US-2014-0263564-A1	9883860
END7260USNP	United States Of America	14 Mar 2013	13/803086	US-2014-0263541-A1	
END7261USNP	United States Of America	14 Mar 2013	13/803193	US2014-0263537A1	9332987
END7262USNP	United States Of America	14 Mar 2013	13/803210	US2014-0263538A1	9808244
END7263USNP	United States Of America	14 Mar 2013	13/803097	US-2014-0263542-A1	9687230
END7264USNP	United States Of America	13 Mar 2013	13/802089	US-2014-0275748-A1	9168000
END7264USPSP	United States Of America	13 Mar 2013	61/780013		
END7264USCNT1	United States Of America	22 Sep 2015	14/861173	US-2016-0029951	9955914
END7264USDIV1	United States Of America	28 Mar 2018	15/938132	US-2018-0214077	10791988
END7264USCNT2	United States Of America	05 Aug 2020	16/985514	US2020-0359961A1	
END7265USNP	United States Of America	30 May 2013	13/905258	US-2014-0352463	9574644
END7266USNP	United States Of America	15 Mar 2013	13/832595	US-2014-0171970-A1	9357998
END7266USNP1	United States Of America	15 Mar 2013	13/832660	US-2014-0171975-A1	9427227
END7266USNP2	United States Of America	15 Mar 2013	13/832709	US-2014-0171971-A1	9498207
END7266USNP3	United States Of America	15 Mar 2013	13/832786	US-2014-0171972-A1	9398905
END7266USNP4	United States Of America	15 Mar 2013	13/832816	US-2014-0171976-A1	9486209
END7266USNP5	United States Of America	15 Mar 2013	13/832867	US-2014-0171977-A1	
END7266USNP6	United States Of America	15 Mar 2013	13/832897	US-2014-0171978-A1	9173655
END7266USNP7	United States Of America	15 Mar 2013	13/832986	US-2014-0172015-A1	
END7266USNP8	United States Of America	15 Mar 2013	13/833042	US-2014-0171979-A1	
END7266USNP9	United States Of America	15 Mar 2013	13/833121	US-2014-0166514-A1	9220496
END7266USCNT1	United States Of America	28 Jul 2016	15/222385	US-2016-0331374-A1	9986998
END7266USCNT2	United States Of America	21 May 2018	15/984476	US-2018-0263620	10939909
END7267USPSP	United States Of America	14 Mar 2013	61/782866		
END7267USNP	United States Of America	07 Mar 2014	14/200111	US-2014-0263539-A1	9629629
END7267USCNT1	United States Of America	06 Apr 2017	15/480882	US-2017-0367700-A1	10617416
END7267USCNT2	United States Of America	13 Nov 2019	16/682240	US-2020-0146678	
END7269USNP	United States Of America	27 Mar 2013	13/851703	US-2014-0291382	9572577
END7270USNP	United States Of America	27 Mar 2013	13/851676	US-2014-0291379-A1	
END7271USNP	United States Of America	27 Mar 2013	13/851693	US-2014-0291381-A1	9332984
END7272USCNT1	United States Of America	23 Oct 2017	15/790917	US-2018-0140299-A1	
END7272USNP	United States Of America	27 Mar 2013	13/851684	US-2014-0291380-A1	9795384
END7275USCNT2	United States Of America	20 Dec 2018	16/227408	US-2019-0151130	
END7276USNP	United States Of America	15 Aug 2013	13/968040	US-2015-0048141-A1	9597074
END7276USCNT1	United States Of America	07 Feb 2017	15/426656	US2017-0189026A1	10512462
END7277USNP	United States Of America	18 Mar 2014	14/218558	US-2015-0265347-A1	9554854
END7277USDIV1	United States Of America	30 Dec 2016	15/396197	US-2017-0105791-A1	10779879
END7277USCNT1	United States Of America	05 Dec 2017	15/832229		10932847
END7278USNP	United States Of America	30 Aug 2013	14/015193	US-2015-0066022	9295514
END7279USPSP1	United States Of America	16 Apr 2013	61/812365		
END7279USPSP	United States Of America	16 Apr 2013	61/812372		
END7279USNP4	United States Of America	09 Apr 2014	14/248591	US-2014-0305991	10149680
END7279USNP5	United States Of America	09 Apr 2014	14/248584	US-2014-0305994	9801626
END7279USNP6	United States Of America	09 Apr 2014	14/248587	US-2014-0309665	9867612
END7279USNP7	United States Of America	09 Apr 2014	14/248586	US-2014-0305990	10136887
END7279USNP8	United States Of America	09 Apr 2014	14/248607	US-2014-0305992	9814460
END7279USNP	United States Of America	09 Apr 2014	14/248590	US-2014-0305987	9826976
END7279USNP1	United States Of America	09 Apr 2014	14/248581	US-2014-0305989-A1	9649110
END7279USNP2	United States Of America	09 Apr 2014	14/248595	US-2014-0305988	9844368
END7279USCNT1	United States Of America	12 Jan 2018	15/869706	US-2018-0249999-A1	10702266
END7279USCNT2	United States Of America	16 Oct 2018	16/161784	US 2019-0110793	10888318
END7279USCNT3	United States Of America	17 Jan 2020	16/746114	US2020-0229812A1	
END7279USCNT4	United States Of America	22 Sep 2020	17/028292		
END7279USCNT5	United States Of America	22 Sep 2020	17/028294	US2021-0068820A1	
END7283USNP	United States Of America	06 Sep 2013	14/020131	US-2015-0073439	9220508
END7283USCNT1	United States Of America	16 Nov 2015	14/941846	US-2016-0066919-A1	10016202

END7284USNP	United States Of America	16 Sep 2013	14/028176	US-2015-0080879	9861428
END7285USNP	United States Of America	16 Sep 2013	14/028163	US-2015-0080876	
END7286USPSP	United States Of America	03 May 2013	61/819050		
END7286USPSP1	United States Of America	19 Sep 2013	61/879700		
END7286USNP	United States Of America	21 Apr 2014	14/257245	US-2014-0330298-A1	
END7287USNP	United States Of America	23 Sep 2013	14/033688	US-2015-0083772-A1	
END7287USCNT1	United States Of America	22 Aug 2018	16/109020	US-2019-0053796-A1	10959724
END7288USNP	United States Of America	23 Sep 2013	14/033709	US-2015-0083773-A1	9936949
END7289USNP	United States Of America	15 Aug 2013	13/967958	US-2015-0048143-A1	9561029
END7290USNP	United States Of America	15 Aug 2013	13/967578	US-2015-0048142-A1	9750522
END7291USCNT1	United States Of America	05 Feb 2018	15/888528	US-2018-0221018	10888317
END7291USNP	United States Of America	23 Sep 2013	14/033751	US-2015-0083774-A1	9907552
END7292USNP	United States Of America	23 Sep 2013	14/033763	US-2015-0083775-A1	9713469
END7292USCNT1	United States Of America	26 Jun 2017	15/632894	US-2017-0354409-A1	10786249
END7292USCNT2	United States Of America	15 May 2020	16/875617	US-2020-0345345-A1	
END7293USNP	United States Of America	23 Aug 2013	13/974166	US-2015-0053739	9700310
END7294USNP	United States Of America	23 Aug 2013	13/974215	US-2015-0053748	
END7294USCNT1	United States Of America	22 Jan 2018	15/876837	US-2018-0206843	10898190
END7294USCNT2	United States Of America	27 Sep 2019	16/585902	US-2020-0138436-A1	
END7295USNP	United States Of America	23 Aug 2013	13/974202	US-2015-0053743	
END7295USCNT1	United States Of America	10 Mar 2017	15/455597	US-2017-0196649	
END7296USNP	United States Of America	23 Aug 2013	13/974205	US-2015-0053740	9808249
END7297USNP	United States Of America	23 Aug 2013	13/974224	US-2015-0053741	9775609
END7297USCNT1	United States Of America	20 Sep 2016	15/270523	US-2017-0007244	
END7297USCNT2	United States Of America	20 Sep 2016	15/270533	US-2017-0007245	
END7297USCNT4	United States Of America	28 Sep 2017	15/718852	US-2018-0064440-A1	
END7297USCNT6	United States Of America	28 Sep 2017	15/718863	US-2018-00064442-A1	
END7297USCNT5	United States Of America	28 Sep 2017	15/718857	US-2018-0064441-A1	10869665
END7297USCNT7	United States Of America	28 Sep 2017	15/718868	US-2018-0055513-A1	
END7297USCNT8	United States Of America	28 Sep 2017	15/718879	US-2018-0064443	
END7297USCNT9	United States Of America	12 Oct 2018	16/158543		
END7297USCNT10	United States Of America	29 Mar 2019	16/369402	US2019-0290265A1	
END7297USCNT11	United States Of America	18 May 2020	16/876459	US-2020-0337702-A1	
END7297USCNT12	United States Of America	20 May 2020	16/878958	US-2020-0337703-A1	
END7298USNP	United States Of America	23 Aug 2013	13/974169	US-2015-0053749	9445813
END7299USCNT6	United States Of America	29 May 2018	15/991753	US-2018-0368833	
END7299USNP	United States Of America	23 Aug 2013	13/974206	US-2015-0053746	
END7299USCNT1	United States Of America	25 Nov 2014	14/553293	US-2015-0076209	
END7299USCNT2	United States Of America	25 Nov 2014	14/553517	US-2015-0076210	
END7299USCNT5	United States Of America	29 May 2018	15/991736	US-2019-0110791	
END7299USCNT3	United States Of America	10 Nov 2017	15/809616	US2018-0153542A1	
END7299USCNT4	United States Of America	10 Nov 2017	15/809643	US-2018-0146960	
END7299USCNT7	United States Of America	27 Sep 2019	16/585718	US 2020-0107829	
END7300USNP	United States Of America	23 Aug 2013	13/974227	US-2015-0053738	9987006
END7300USCNT1	United States Of America	09 Nov 2017	15/807941	US-2018-0125488	
END7301USNP	United States Of America	23 Aug 2013	13/974174	US-2015-0053745	9510828
END7302USNP	United States Of America	23 Aug 2013	13/974177	US-2015-0053737	
END7302USCNT1	United States Of America	10 Mar 2017	15/455611	US-2017-0196560	10201349
END7302USCNT2	United States Of America	13 Nov 2017	15/811065		10828032
END7302USCNT3	United States Of America	02 Oct 2020	17/061858		
END7303USCNT1	United States Of America	29 Mar 2017	15/472633	US2017-0249431A1	
END7304USNP	United States Of America	23 Aug 2013	13/974208	US-2015-0054743-A1	9283054
END7305USNP	United States Of America	23 Aug 2013	13/974209	US-2015-0053744	9924942
END7306USNP	United States Of America	17 Sep 2013	14/028717	US-2015-0080924-A1	10172636
END7306USDIV1	United States Of America	16 Nov 2018	16/192894	US-2019-0133635	
END7307USNP	United States Of America	07 Jan 2014	14/149294	US-2015/0190189	9795436
END7307USDIV1	United States Of America	22 Sep 2017	15/712678	US-2018-0028257	10856929
END7308USDIV1	United States Of America	08 Mar 2018	15/915953	US-2018-0235691-A1	
END7308USNP	United States Of America	15 Apr 2014	14/252824	US-2015-0289925	9913680
END7309USNP	United States Of America	26 Nov 2013	14/090444	US-2015-0148831	9943325
END7309USCNT1	United States Of America	04 Dec 2017	15/830312	US-2018-0153574	
END7310USDP	United States Of America	15 Nov 2013	29/472719		D763442
END7311USNP	United States Of America	15 Nov 2013	14/081561	US-2015-0142031-A1	9901358
END7312USCNT1	United States Of America	02 Mar 2018	15/910271	US-2018-0256245-A1	
END7312USNP	United States Of America	21 Nov 2013	14/086085	US-2015-0141981-A1	9949785
END7313USNP	United States Of America	22 Nov 2013	14/087352	US-2015-0148829	10226271
END7313USDP	United States Of America	19 Mar 2015	29/520994		D776276
END7313USCNT1	United States Of America	16 Jan 2019	16/248831	US-2019-0216490	

END7314USPCT	United States Of America	08 Dec 2014	15/105049	US-2016-0317178-A1	
END7315USPCT	United States Of America	08 Dec 2014	15/105444	US-2016-0324537-A1	10912580
END7315USPCD1	United States Of America	15 Jan 2021	17/150119		
END7315USPCD2	United States Of America	15 Jan 2021	17/150127		
END7316USNP	United States Of America	16 Sep 2013	14/027286	US-2014-0014707-A1	
END7316USNP1	United States Of America	16 Sep 2013	14/027293	US-2014-0014704-A1	
END7320USNP	United States Of America	26 Dec 2013	14/140694	US-2015-0182249-A1	9700341
END7321USNP	United States Of America	26 Dec 2013	14/140681	US-2015-0182232-A1	9763674
END7322USNP	United States Of America	19 Sep 2013	14/031665	US-2015-0080925-A1	
END7322USDIV1	United States Of America	04 Dec 2018	16/209048	US-2019-0167288-A1	
END7322USCNT1	United States Of America	04 Feb 2021	17/167491		
END7323USDP	United States Of America	18 Sep 2013	29/467313		D735855
END7325USNP	United States Of America	25 Nov 2014	14/552530	US-2015-0148832	10034685
END7325USPSP	United States Of America	26 Nov 2013	61/908920		
END7325USNP1	United States Of America	25 Nov 2014	14/552552	US-2015-0148833	9993260
END7325USNP3	United States Of America	25 Nov 2014	14/552681	US-2015-0148835	10004528
END7325USNP2	United States Of America	25 Nov 2014	14/552614	US-2015-0148834	10004527
END7325USCNT1	United States Of America	02 May 2018	15/969028	US-2018-0310953	10716957
END7325USCNT2	United States Of America	02 Jun 2020	16/890198	US-2020-0346045-A1	
END7327USNP	United States Of America	28 Jan 2014	14/166133	US-2015-0209061-A1	9468454
END7327USCNT2	United States Of America	23 May 2019	16/420898	US-2019-0274703	
END7328USNP	United States Of America	28 Jan 2014	14/166244	US-2015-0209059-A1	9801679
END7328USCNT1	United States Of America	04 Oct 2017	15/724629	US-2018-0021082	10646271
END7329USNP	United States Of America	28 Jan 2014	14/166194	US-2015-0209573	9802033
END7329USCNT1	United States Of America	04 Oct 2017	15/724696	US-2018-0021562	
END7330USNP	United States Of America	23 Dec 2013	14/138516	US-2015-0173756	
END7330USCNT1	United States Of America	25 Oct 2017	15/793575	US-2018-0110513	
END7330USCNT2	United States Of America	25 Oct 2017	15/793584	US-2018-0103948-A1	
END7330USCNT3	United States Of America	24 Sep 2019	16/580467	US2020-0085425A1	
END7330USCNT4	United States Of America	17 Jan 2020	16/745568	US-2020-0222043-A1	
END7330USCNT5	United States Of America	17 Jan 2020	16/745776	US-2020-0222044	
END7330USCNT6	United States Of America	17 Sep 2020	17/024013	US2021-0068816A1	
END7331USNP	United States Of America	23 Dec 2013	14/138475	US-2015-0173749-A1	
END7332USNP	United States Of America	23 Dec 2013	14/138489	US-2015-0173751-A1	9687232
END7332USCNT1	United States Of America	29 Mar 2017	15/472655	US-2017-0245857	10588624
END7333USNP	United States Of America	23 Dec 2013	14/138474	US-2015-0173745	9681870
END7334USNP	United States Of America	23 Dec 2013	14/138497	US-2015-0173755	9642620
END7335USNP	United States Of America	23 Dec 2013	14/138481	US-2015-0173750-A1	9968354
END7336USNP	United States Of America	23 Dec 2013	14/138485	US-2015-0173746	9839428
END7336USCNT1	United States Of America	27 Oct 2017	15/795369	US-2018-0110517	
END7337USNP	United States Of America	12 Feb 2014	14/178840	US-2015-0223809	9962161
END7337USCNT1	United States Of America	12 Dec 2017	15/838426	US-2018-0161034-A1	
END7338USDP	United States Of America	23 Dec 2013	29/477488		D775336
END7339USNP	United States Of America	23 Dec 2013	14/138518	US-2015-0173761	9763662
END7340USNP	United States Of America	23 Dec 2013	14/138530	US-2015-0173762	9549735
END7341USNP	United States Of America	23 Dec 2013	14/138465	US-2015-0173744-A1	10265065
END7342USNP	United States Of America	23 Dec 2013	14/138507	US-2015-0173747	9724092
END7342USCNT1	United States Of America	29 Mar 2017	15/472643	US-2017-0245856	10925599
END7342USCNT2	United States Of America	14 Aug 2019	16/540437	US-2020-0069308-A1	
END7343USNP	United States Of America	23 Dec 2013	14/138554	US-2015-0173789-A1	
END7344USNP	United States Of America	23 Dec 2013	14/138505	US2015-0173760A1	9585662
END7345USNP	United States Of America	24 Feb 2014	14/187385	US-2015-0238191	9693777
END7346USNP	United States Of America	24 Feb 2014	14/187389	US-2015-0238187	9757124
END7347USNP	United States Of America	24 Feb 2014	14/187390	US-2015-0238188	9839423
END7348USNP	United States Of America	24 Feb 2014	14/187386	US-2015-0239180	9884456
END7349USNP	United States Of America	24 Feb 2014	14/187383	US-2015-0238185	9839422
END7350USNP	United States Of America	24 Feb 2014	14/187384	US-2015-0238186	9775608
END7350USCNT1	United States Of America	25 Sep 2017	15/714587	US-2018-0103952-A1	10426481
END7351USNP	United States Of America	13 Sep 2013	14/025904	US-2014-0171986-A1	
END7351USNP1	United States Of America	13 Sep 2013	14/025915	US-2014-0018830-A1	
END7351USNP2	United States Of America	13 Sep 2013	14/025932	US-2014-0018832-A1	
END7351USCNT2	United States Of America	10 Apr 2017	15/483419	US-2017-0209150-A1	
END7351USCNT1	United States Of America	17 Feb 2016	15/045284	US2016-0157865A1	
END7351USCNT3	United States Of America	07 Feb 2020	16/784330	US-2020-0246012-A1	
END7352USNP	United States Of America	08 Nov 2013	14/074884	US-2015-0134077-A1	
END7354USNP	United States Of America	08 Nov 2013	14/074810	US-2015-0134076-A1	
END7355USNP	United States Of America	08 Nov 2013	14/075459	US-2015-0129634-A1	9700311
END7355USCNT1	United States Of America	10 Jul 2017	15/645293		10285691

END7355USCNT2	United States Of America	08 Mar 2019	16/296977	US 2019-0200978	
END7355USCNT3	United States Of America	27 Oct 2020	17/081222	US-2021-0045738-A1	
END7355USCNT4	United States Of America	22 Feb 2021	17/181266		
END7356USNP	United States Of America	08 Nov 2013	14/074902	US-2015-0133995-A1	9936950
END7357USNP	United States Of America	18 Oct 2013	14/057682	US-2015-0112335-A1	
END7358USNP	United States Of America	01 Oct 2013	14/043100	US-2014-0175150-A1	
END7358USNP1	United States Of America	01 Oct 2013	14/043124	US-2014-0035762-A1	
END7359USNP	United States Of America	31 Mar 2014	14/230349	US-2015-0272657	9737355
END7359USDIV1	United States Of America	02 Aug 2017	15/667225	US-2018-0036061	10349999
END7359USCNT1	United States Of America	08 Jul 2019	16/505165	US 2020-0054382	
END7360USNP	United States Of America	17 Jan 2014	14/158248	US2015-0201953A1	9408660
END7361USNP	United States Of America	27 Mar 2014	14/227708	US-2015-0272602-A1	10092310
END7361USCNT1	United States Of America	05 Oct 2018	16/153107	US-2019-0105067	
END7362USNP	United States Of America	07 Jan 2014	14/149279	US-2015-0190191-A1	9585715
END7363USNP	United States Of America	27 Mar 2014	14/227699		
END7364USNP	United States Of America	17 Apr 2014	14/255242	US-2015-0297286	9757186
END7365USNP	United States Of America	14 Feb 2014	14/180826	US-2015-0230816-A1	9707005
END7365USCNT1	United States Of America	15 Jun 2017	15/624214	US-2017-0281211	10842524
END7366USNP	United States Of America	20 Dec 2013	14/135894	US-2015-0174390-A1	9707029
END7367USNP	United States Of America	30 Jun 2014	14/319915	US-2015-0374396	9700333
END7368USNP	United States Of America	28 Mar 2014	14/229456	US-2015-0272606-A1	9526518
END7370USNP	United States Of America	31 Jul 2014	14/448430	US-2016-0030076-A1	10285724
END7370USDIV1	United States Of America	09 May 2019	16/407823	US-2019-0262030	
END7371USNP	United States Of America	24 Mar 2014	14/222943	US-2015-0265305-A1	9675374
END7371USCNT1	United States Of America	23 May 2017	15/602431	US-2017-0319227	10524815
END7371USCNT2	United States Of America	20 Nov 2019	16/689381	US-2020-0163686	
END7372USNP	United States Of America	08 Nov 2013	14/075839	US2015-0133921A1	9265926
END7372USCNT1	United States Of America	25 Jan 2016	15/005515	US-2016-0135875-A1	9949788
END7372USCNT2	United States Of America	11 Dec 2017	15/837701	US-2018-0177545	10912603
END7373USNP	United States Of America	08 Nov 2013	14/075863	US2015-0133915A1	9526565
END7374USNP	United States Of America	10 Jun 2014	14/300815	US-2015-0351760-A1	9924946
END7375USNP	United States Of America	10 Jun 2014	14/300819	US-2015-0351776	10206686
END7376USNP	United States Of America	10 Jun 2014	14/300817	US-2015-0351764-A1	9913646
END7377USNP	United States Of America	10 Jun 2014	14/300811	US-2015-0351763-A1	9936954
END7378USNP	United States Of America	10 Jun 2014	14/300793	US-2015-0351753-A1	
END7379USNP	United States Of America	10 Jun 2014	14/300801	US-2015-0351757	9801630
END7380USNP	United States Of America	10 Jun 2014	14/300954	US-2015-0351758	10172611
END7380USCNT1	United States Of America	31 Aug 2018	16/119292	US-2019-0038280-A1	10966722
END7380USCNT2	United States Of America	02 Mar 2020	16/806,252	US2020-0197006A1	
END7380USCNT3	United States Of America	02 Mar 2020	16/806262	US2020-0205806A1	
END7380USCNT4	United States Of America	22 Feb 2021	17/181268		
END7381USNP	United States Of America	10 Jun 2014	14/300820	US-2015-0351730	9826965
END7382USNP	United States Of America	10 Jun 2014	14/300799	US-2015-0351761-A1	10610226
END7384USNP	United States Of America	10 Jun 2014	14/300804	US2015-0351754	9848871
END7386USNP	United States Of America	26 Mar 2014	14/226142	US-2015-0272575-A1	9913642
END7386USCIPI	United States Of America	31 Oct 2017	15/798855	US-2018-0132850	
END7387USNP	United States Of America	26 Mar 2014	14/226106	US-2015-0272582-A1	
END7388USNP	United States Of America	26 Mar 2014	14/226099	US-2015-0272581-A1	9826977
END7389USNP	United States Of America	26 Mar 2014	14/226094	US-2015-0272580-A1	
END7390USNP	United States Of America	26 Mar 2014	14/226117	US-2015-0272574-A1	10013049
END7391USNP	United States Of America	26 Mar 2014	14/226075	US-2015-0272579-A1	9743929
END7392USNP	United States Of America	26 Mar 2014	14/226093	US-2015-0272569-A1	10028761
END7392USCNT1	United States Of America	20 Jul 2018	16/041145		
END7392USCNT2	United States Of America	06 Jun 2019	16/433468	US 2020-0060713	
END7392USCNT3	United States Of America	30 Sep 2019	16/587803	US 2020-0093506	
END7393USNP	United States Of America	26 Mar 2014	14/226116	US-2015-0272571	
END7394USNP	United States Of America	26 Mar 2014	14/226071	US-2015-0272578	9690362
END7395USNP	United States Of America	26 Mar 2014	14/226097	US-2015-0272570	9820738
END7396USNP	United States Of America	26 Mar 2014	14/226126	US2015-0272572A1	10004497
END7396USCNT1	United States Of America	15 Mar 2017	15/459515	US-2017-0209226	10588626
END7396USDIV1	United States Of America	13 Jun 2018	16/007616	US-2018-0353170	10863981
END7396USCNT2	United States Of America	18 Oct 2018	16/164094	US-2019-0117217	10898185
END7396USCNT3	United States Of America	27 Sep 2019	16/585883	US-2020-0178958-A1	
END7397USNP	United States Of America	26 Mar 2014	14/226133	US-2015-0272557	
END7399USNP	United States Of America	26 Mar 2014	14/226081	US-2015-0277471-A1	9804618
END7399USCNT3	United States Of America	25 Jun 2018	16/017403	US-2019-0033955-A1	
END7399USCNT1	United States Of America	06 Oct 2017	15/727316	US-2018-0074535	10136889
END7399USCNT2	United States Of America	06 Oct 2017	15/727332	US2018-0095487A1	10117653

END7399USCNT4	United States Of America	05 Oct 2018	16/153124	US-2019-0105035-A1	
END7399USCNT5	United States Of America	22 Mar 2021	17/208594		
END7399USCNT6	United States Of America	22 Mar 2021	17/208606		
END7399USCNT7	United States Of America	22 Mar 2021	17/208613		
END7400USNP	United States Of America	26 Mar 2014	14/226076	US-2015-0280424-A1	9733663
END7400USCNT1	United States Of America	17 Sep 2015	14/856682	US-2016-0074038	9730695
END7401USNP	United States Of America	26 Mar 2014	14/226111	US-2015-0272583-A1	9750499
END7402USNP	United States Of America	26 Mar 2014	14/226125	US2015-0280384A1	10201364
END7403USNP	United States Of America	31 Mar 2014	14/230027	US-2015-0272603	9549750
END7403USCNT1	United States Of America	27 Dec 2016	15/391304	US2017-0172596A1	10172635
END7403USCNT2	United States Of America	06 Dec 2018	16/211396	US 2019-0105069	
END7404USNP1	United States Of America	16 Apr 2015	14/688692	US-2015-0320438	10667835
END7404USNP	United States Of America	22 Apr 2014	14/258179		
END7404USPSP	United States Of America	22 Apr 2014	62/176880		
END7404USCNT1	United States Of America	10 Jan 2019	16/244282	US-2019-0216493	
END7405USNP	United States Of America	17 Sep 2014	14/488454	US2016-0074061A1	9901360
END7415USNP	United States Of America	18 Dec 2014	14/574478	US2016-0174977A1	9844374
END7415USCNT1	United States Of America	08 Nov 2017	15/807056	US-2018-0110519	10695058
END7415USCNT2	United States Of America	25 Jun 2020	16/911859	US2020-0397433A1	
END7416USNP	United States Of America	18 Dec 2014	14/574483	US2016-0174969A1	10188385
END7417USNP	United States Of America	18 Dec 2014	14/575148	US-2016-0174976	10085748
END7417USCNT1	United States Of America	28 Jun 2018	16/021321	US-2018-0368837	10945728
END7417USCNT2	United States Of America	10 Mar 2021	17/197337		
END7418USNP	United States Of America	18 Dec 2014	14/575139	US-2016-0174978	9844375
END7418USCNT1	United States Of America	08 Nov 2017	15/807038	US-2018-0110518	10743873
END7418USCNT2	United States Of America	29 Jun 2020	16/914884	US 2020-0397434	
END7419USNP	United States Of America	13 Oct 2014	14/512637	US-2016-0100837	10076325
END7419USCNT1	United States Of America	04 May 2018	15/971567		10736630
END7419USCNT2	United States Of America	14 Apr 2020	16/847892	US-2020-0323526-A1	
END7420USNP	United States Of America	05 Sep 2014	14/479103	US-2016-0066912-A1	10111679
END7421USNP	United States Of America	05 Sep 2014	14/479119	US-2016-0066914-A1	9724094
END7422USNP	United States Of America	05 Sep 2014	14/478908	US-2016-0066910-A1	9737301
END7423USNP	United States Of America	05 Sep 2014	14/478895	US-2016-0066909-A1	9757128
END7424USNP	United States Of America	05 Sep 2014	14/479110	US-2016-0066915-A1	10016199
END7424USDIV1	United States Of America	09 Jul 2018	16/030355		
END7425USNP	United States Of America	05 Sep 2014	14/479098	US-2016-0066911-A1	10135242
END7425USCNT1	United States Of America	25 Oct 2018	16/170576	US-2019-0125345-A1	10905423
END7425USCNT2	United States Of America	30 Sep 2019	16/587785	US-2020-0093487	
END7425USCNT3	United States Of America	30 Sep 2019	16/587848	US-2020-0093488	
END7425USCNT4	United States Of America	17 Sep 2020	17/023469	US-2021-0068830	
END7425USCNT5	United States Of America	17 Sep 2020	17/023875	US-2021-0068831	
END7426USNP	United States Of America	05 Sep 2014	14/479115	US-2016-0066916-A1	9788836
END7427USNP	United States Of America	05 Sep 2014	14/479108	US-2016-0066913-A1	
END7427USCNT1	United States Of America	15 Mar 2017	15/459531	US-2017-0209145	
END7427USCNT2	United States Of America	24 Sep 2019	16/580493	US2020-0085431A1	
END7428USNP	United States Of America	25 Jun 2014	14/314108	US-2015-0374373	10335147
END7428USCNT1	United States Of America	02 May 2019	16/401230	US-2019-0314019	
END7428USCNT2	United States Of America	26 Jun 2020	16/913070	US-2021-0007742-A1	
END7428USCNT3	United States Of America	22 Dec 2020	17/130917		
END7428USCNT4	United States Of America	22 Dec 2020	17/130923		
END7429USNP	United States Of America	25 Jun 2014	14/314125	US-2015-0374360	10292701
END7429USDIV1	United States Of America	02 Apr 2019	16/372496	US-2019-0290266-A1	
END7430USCNT1	United States Of America	06 Sep 2019	16/562887	US2020-0060676A1	
END7431USNP	United States Of America	25 Jun 2014	14/314276	US-2015-0374362	10064620
END7432USNP	United States Of America	26 Aug 2014	14/469093	US-2016-0058492-A1	10194972
END7433USNP	United States Of America	22 Jul 2014	14/337508	US2016-0022305	9750521
END7437USPSP1	United States Of America	16 Jan 2015	62/104295		
END7437USPSP	United States Of America	12 Feb 2014	61/938956		
END7437USNP	United States Of America	11 Feb 2015	14/619256	US-2015-0223977	
END7438USNP	United States Of America	17 Sep 2014	14/488330	US2016-0074060A1	10058346
END7439USNP	United States Of America	24 Feb 2014	14/187387	US-2014-0166724-A1	
END7440USNP	United States Of America	24 Feb 2014	14/187395	US-2014-0166725-A1	
END7441USNP	United States Of America	24 Feb 2014	14/187400	US-2014-0166726-A1	
END7442USNP1	United States Of America	08 Apr 2014	14/247916	US-2015-0282823	9675405
END7442USNP2	United States Of America	08 Apr 2014	14/247933	US-2015-0282824	9808307
END7442USNP3	United States Of America	08 Apr 2014	14/247950	US-2015-0282825-A1	9980769
END7442USNP4	United States Of America	08 Apr 2014	14/247964	US-2015-0282822	9918730
END7442USNP	United States Of America	14 Mar 2014	14/212360		

END7442USCNT1	United States Of America	27 Apr 2018	15/964577	US-2018-0280076	
END7443USPSP	United States Of America	28 Feb 2014	61/946168		
END7443USNP	United States Of America	17 Feb 2015	14/623812	US-2015-0245850-A1	10010340
END7443USCIP1	United States Of America	29 Sep 2015	14/868574	US-2016-0015419-A1	10349967
END7443USPSP1	United States Of America	13 Apr 2015	62/146644		
END7443USCNT1	United States Of America	15 Feb 2019	16/276699	US 2019-0254697	
END7444USNP	United States Of America	25 Jun 2014	14/314298	US-2015-0374363	10314577
END7444USCNT1	United States Of America	04 Feb 2019	16/266592	US-2019-0239873-A1	
END7445USNP	United States Of America	25 Jun 2014	14/314626	US-2015-0374364	9693774
END7446USNP	United States Of America	25 Jun 2014	14/314722	US-2015-0374365	9999423
END7448USNP	United States Of America	22 Dec 2014	14/579230	US-2016-0175028	9848937
END7449USNP	United States Of America	22 Dec 2014	14/579543	US-2016-0175024	10159524
END7449USCNT1	United States Of America	28 Jun 2018	16/021493	US-2018-0368906-A1	10751109
END7450USNP	United States Of America	29 Oct 2014	14/526974	US-2016-0120601-A1	10136938
END7451USNP	United States Of America	20 Mar 2015	14/664421	US-2016-0270842-A1	
END7452USNP	United States Of America	29 Apr 2015	14/700050	US-2016-0317215-A1	9872725
END7460USPSP	United States Of America	16 Apr 2014	61/980284		
END7460USNP	United States Of America	30 Jun 2014	14/318996	US-2015-0297228	
END7460USCNT1	United States Of America	09 Jun 2015	14/734376	US-2015-0297225	
END7460USCNT2	United States Of America	09 Jun 2015	14/734394	US-2015-0297222	
END7460USCNT3	United States Of America	09 Jun 2015	14/734431	US-2015-0297223	
END7460USCNT4	United States Of America	28 Sep 2018	16/146503	US-2019-0029682	
END7460USCNT5	United States Of America	04 Jun 2019	16/430871	US-2019-0357909-A1	
END7460USCNT6	United States Of America	04 Jun 2019	16/430876	US-2019-0374224-A1	
END7460USCNT7	United States Of America	03 Apr 2020	16/839632	US-2020-0237371-A1	
END7460USCNT8	United States Of America	16 Jun 2020	16/902400	US-2020-0305874-A1	
END7461USPSP	United States Of America	16 Apr 2014	61/980291		
END7461USNP	United States Of America	30 Jun 2014	14/319006	US-2015-0297231	10010324
END7462USPSP	United States Of America	16 Apr 2014	61/980339		
END7462USNP	United States Of America	30 Jun 2014	14/319014	US-2015-0297234	10542988
END7463USPSP	United States Of America	16 Apr 2014	61/980332		
END7463USNP	United States Of America	30 Jun 2014	14/318991	US2015-0297227A1	9833241
END7464USPSP	United States Of America	16 Apr 2014	61/980293		
END7465USPSP	United States Of America	16 Apr 2014	61/980270		
END7465USNP	United States Of America	30 Jun 2014	14/319008	US2015-0297232A1	10299792
END7465USCNT1	United States Of America	19 Apr 2019	16/388952	US-2019-0314016-A1	
END7465USCNT2	United States Of America	19 Apr 2019	16/389077	US-2019-0314017-A1	
END7465USCNT3	United States Of America	19 Apr 2019	16/389081	US-2019-0314018-A1	
END7466USPSP	United States Of America	16 Apr 2014	61/980276		
END7466USNP	United States Of America	30 Jun 2014	14/318997	US-2015-0297229	10561422
END7467USPSP	United States Of America	16 Apr 2014	61/980281		
END7467USNP	United States Of America	30 Jun 2014	14/319002	US-2015-0297230	9877721
END7469USPSP	United States Of America	16 Apr 2014	61/980349		
END7469USNP	United States Of America	30 Jun 2014	14/319016	US2015-0297235A1	10470768
END7472USDIV1	United States Of America	24 May 2018	15/988413	US2018-0263622A1	10729437
END7479USDIV1	United States Of America	07 May 2018	15/972846	US-2019-0000499	10856897
END7479USCNT1	United States Of America	02 Jun 2020	16/890205	US-2020-0330121-A1	
END7481USCNT1	United States Of America	10 Aug 2020	16/988939	US-2021-0022741-A1	
END7482USCNT2	United States Of America	10 Jul 2019	16/507301	US-2020-0015821-A1	
END7482USCNT3	United States Of America	10 Jul 2019	16/507304	US-2020-0008808-A1	
END7483USCNT2	United States Of America	19 Nov 2020	16/952574		
END7485USCNT2	United States Of America	02 Apr 2020	16/838263	US 2020-0315612	
END7488USCNT1	United States Of America	30 Sep 2019	16/587452	US2020-0100787A1	
END7490USCNT1	United States Of America	19 Dec 2017	15/847759	US-2018-0296215-A1	10617417
END7490USCNT2	United States Of America	12 Mar 2020	16/816539		
END7492USCNT1	United States Of America	04 Jun 2018	15/996863	US-2019-0090870-A1	10806448
END7492USCNT2	United States Of America	19 Oct 2020	17/073503		
END7493USCNT2	United States Of America	20 Aug 2018	16/105387	US-2019-0059886-A1	10905418
END7493USCNT3	United States Of America	14 Jun 2019	16/441564	US-2020-0000469	
END7495USCNT1	United States Of America	11 Sep 2017	15/700278	US-2018-0000479	10470761
END7495USDIV1	United States Of America	03 Oct 2019	16/592107	US2020-0029962A1	
END7496USDP	United States Of America	06 Jun 2014	29/493229		D745146
END7497USDP	United States Of America	06 Jun 2014	29/493231		D771811
END7501USNP1	United States Of America	06 Jun 2014	14/298005	US-2015-0351745-A1	
END7501USNP2	United States Of America	06 Jun 2014	14/298015	US-2015-0351746-A1	10004490
END7501USNP3	United States Of America	06 Jun 2014	14/298028	US-2015-0351747-A1	9526495
END7501USNP	United States Of America	06 Jun 2014	14/297993	US-2015-0351744-A1	9474522
END7501USCNT1	United States Of America	05 Oct 2016	15/285783	US-2017-0020513-A1	

END7502USNP	United States Of America	13 Jun 2014	14/304077	US2015-0359536	10045781
END7502USCNT1	United States Of America	04 Aug 2018	16/058427	US-2019-0038287-A1	10729441
END7502USCNT2	United States Of America	23 Jul 2020	16/936506	US-2021-0007743-A1	
END7509USNP	United States Of America	06 Jun 2014	14/298038	US-2015-0351748-A1	9375212
END7509USNP1	United States Of America	06 Jun 2014	14/298056	US-2015-0351756-A1	9788830
END7509USNP2	United States Of America	06 Jun 2014	14/298072	US-2015-0351749-A1	
END7509USNP3	United States Of America	06 Jun 2014	14/298083		
END7509USCNT1	United States Of America	20 Jan 2015	14/600486	US-2015-0133967-A1	
END7509USCNT2	United States Of America	03 May 2018	15/970191	US-2018-0249995	
END7510USDP	United States Of America	06 Jun 2014	29/493233		
END7513USCNT1	United States Of America	19 Mar 2018	15/924395		
END7513USNP	United States Of America	01 Jun 2015	14/726786	US-2015-0351958	9949874
END7513USPSP	United States Of America	06 Jun 2014	62/008745		
END7514USCNT1	United States Of America	15 Feb 2018	15/897266		
END7514USNP	United States Of America	01 Jun 2015	14/726977	US2015-0351959A1	9925088
END7514USPSP	United States Of America	06 Jun 2014	62/008756		
END7515USNP1	United States Of America	20 Jun 2014	14/310270		
END7515USNP2	United States Of America	20 Jun 2014	14/310288		
END7515USNP3	United States Of America	20 Jun 2014	14/310313		
END7515USNP4	United States Of America	20 Jun 2014	14/310329		
END7515USNP5	United States Of America	20 Jun 2014	14/310352		
END7515USNP6	United States Of America	20 Jun 2014	14/310383		
END7515USNP7	United States Of America	20 Jun 2014	14/310403		
END7515USNP	United States Of America	20 Jun 2014	14/310234		
END7516USCNT1	United States Of America	17 Mar 2021	17/203904		
END7517USCNT1	United States Of America	21 Nov 2018	16/197786	US-2019-0091464	10391298
END7517USCNT2	United States Of America	19 Jun 2019	16/445725	US-2019-0329023-A1	
END7517USCNT3	United States Of America	22 Mar 2021	17/208125		
END7520USCNT1	United States Of America	26 Mar 2019	16/364624	US-2019-0282288-A1	
END7528USNP	United States Of America	17 Dec 2014	14/573074	US-2016-0175025	10010366
END7538USCNT1	United States Of America	30 Sep 2019	16/587838	US-2020-0093485-A1	
END7544USCNT2	United States Of America	24 Sep 2019	16/580554	US 2020-0085436	
END7552USCNT1	United States Of America	11 Oct 2019	16/600215	US-2020-0214731-A1	
END7554USCNT1	United States Of America	12 Aug 2019	16/537835	US-2020-0008809-A1	
END7554USCNT2	United States Of America	18 Mar 2021	17/205695		
END7555USCNT1	United States Of America	15 Mar 2017	15/459538	US-2017-0196561	10531887
END7556USCNT1	United States Of America	15 Mar 2017	15/459546	US-2017-0196562	10524787
END7556USCNT2	United States Of America	11 Oct 2017	15/730188	US-2018-0085117	
END7556USCNT3	United States Of America	28 Sep 2018	16/146885	US-2019-0029678	10729432
END7556USCNT4	United States Of America	30 Jun 2020	16/916575	US2021-0015480A1	
END7559USNP	United States Of America	06 Mar 2015	14/640859	US-2016-0256187-A1	10052044
END7559USCNT1	United States Of America	14 Sep 2015	14/852982	US-2016-0256156	10206605
END7559USCNT2	United States Of America	27 Dec 2018	16/233866	US-2019-0200895-A1	10966627
END7559USCNT3	United States Of America	25 Sep 2019	16/581945	US2020-0100699A1	
END7559USCNT4	United States Of America	18 Mar 2021	17/205510		
END7561USCNT1	United States Of America	26 Feb 2018	15/905149	US-2018-0303481-A1	10772625
END7561USCNT2	United States Of America	30 Sep 2019	16/587485	US 2020-0093484	
END7577USCNT1	United States Of America	03 Dec 2018	16/207377	US-2019-0167295-A1	10932803
END7579USCNT1	United States Of America	28 Oct 2020	17/082191		
END7580USCIP1	United States Of America	07 Mar 2018	15/914358	US 2018-0193020	10517602
END7580USCNT1	United States Of America	26 Dec 2019	16/727317	US-2020-0187948-A1	
END7580USCNT2	United States Of America	14 Aug 2020	16/994096	US-2021-0068838-A1	
END7582USCNT2	United States Of America	03 Feb 2021	17/166353		
END7591USCNT1	United States Of America	03 Nov 2020	17/088243		
END7597USCNT1	United States Of America	27 Sep 2019	16/586082	US 2020-0085442	
END7598USCNT1	United States Of America	02 May 2019	16/401234	US-2019-0314020	
END7598USCNT2	United States Of America	22 Dec 2020	17/130927		
END7598USCNT3	United States Of America	22 Dec 2020	17/130929		
END7601USCNT1	United States Of America	15 Nov 2019	16/685027	US-2020-0156267-A1	10814501
END7607USDP	United States Of America	21 Jan 2015	29/515300		D754856
END7607USDCO1	United States Of America	29 Mar 2016	29/559505		D797285
END7608USNP	United States Of America	14 Jan 2016	14/995859	US-2016-0213395-A1	10537667
END7613USCNT1	United States Of America	30 Jul 2018	16/048970	US-2019-0021783-A1	10952788
END7613USCNT2	United States Of America	08 Feb 2021	17/170178		
END7624USCNT2	United States Of America	24 Feb 2021	17/183696		
END7652USCNT1	United States Of America	21 Dec 2018	16/229607	US-2019-0183505-A1	10932779
END7652USCNT2	United States Of America	02 Oct 2020	17/061764		
END7652USCNT3	United States Of America	26 Feb 2021	17/186335		

END7657USCNT1	United States Of America	03 Jan 2020	16/733752	US-2020-0214706-A1	
END7660USCNT1	United States Of America	18 Oct 2018	16/164303	US-2019-0046187-A1	10863986
END7660USCNT2	United States Of America	31 Dec 2019	16/731281	US-2020-0146676	
END7661USCNT2	United States Of America	11 Sep 2020	17/018403	US-2021-0059670	
END7666USCNT1	United States Of America	28 Sep 2018	16/146772	US 2019-0117216	
END7666USCNT2	United States Of America	17 Sep 2020	17/023661	US2021-0068818A1	
END7672USCNT1	United States Of America	03 Jun 2019	16/429427	us-2019-0350581-a1	
END7675USCNT1	United States Of America	11 Oct 2018	16/157729	US-2019-0105048-A1	
END7675USCNT2	United States Of America	25 Mar 2020	16/829127	US-2020-0289110-A1	
END7675USCNT3	United States Of America	02 Apr 2020	16/838206	US-2020-0315611-A1	
END7675USCNT6	United States Of America	17 Sep 2020	17/023886	US-2021-0059663	
END7675USCNT7	United States Of America	17 Sep 2020	17/023892	US-2021-0059664	
END7675USCNT8	United States Of America	17 Sep 2020	17/023901	US-2021-0059665	
END7675USCNT9	United States Of America	17 Sep 2020	17/023910	US2021-0068819A1	
END7680USCNT1	United States Of America	21 Aug 2019	16/546599	US-2020-0046356	
END7700USNP	United States Of America	24 Sep 2015	14/864269	US-2017-0086825	10307165
END7704USCNT1	United States Of America	15 Feb 2019	16/276704	US-2019-0247074-A1	
END7707USCNT1	United States Of America	23 Aug 2019	16/549829	US-2020-0078610	
END7709USCNT1	United States Of America	15 Feb 2019	16/276705	US 2019-0247083	
END7713USCNT1	United States Of America	02 Jun 2020	16/890209	US-2020-0360045	
END7714USCNT1	United States Of America	14 Feb 2020	16/791124	US-2020-0237399	
END7727USCNT1	United States Of America	28 Feb 2019	16/288697	US-2019-0261992-A1	10966724
END7727USCNT2	United States Of America	23 May 2019	16/425256	US-2019-0388093-A1	
END7727USCNT3	United States Of America	16 Sep 2020	17/022499	US2021-0068834A1	
END7749USCNT1	United States Of America	03 Feb 2020	16/779759	US-2020-0237398	
END7752USPCT	United States Of America	11 Sep 2015	14/774708	US-2016-0023266-A1	
END7757USDIV1	United States Of America	16 Dec 2019	16/715386	US2020-0113624A1	
END7763USCNT1	United States Of America	26 Nov 2019	16/696271	US-2020-0163691-A1	
END7764USCNT1	United States Of America	23 Aug 2019	16/549834	US 2020-0046402	
END7768USCNT1	United States Of America	20 Feb 2020	16/795886	US 2020-0261141	
END7769USCNT1	United States Of America	28 Feb 2020	16/804841	US2020-0268433A1	
END7773USCNT1	United States Of America	20 Feb 2019	16/280309	US 2019-0247076	10973541
END7773USCNT2	United States Of America	04 Mar 2021	17/191832		
END7775USCNT2	United States Of America	13 Sep 2019	16/570126	US-2020-0138434-A1	
END7775USCNT3	United States Of America	24 Sep 2020	17/030715	US 2021-0085317	
END7781USNP	United States Of America	14 Apr 2017	15/487787	US-2018-0296213-A1	10765442
END7782USCNT1	United States Of America	02 Jul 2020	16/919319	US 2021-0085316	
END7784USDIV1	United States Of America	01 Jul 2019	16/458760	US2019-0321039A1	
END7785USCNT1	United States Of America	29 Mar 2017	15/472967	US-2017-0296185	
END7788USCNT1	United States Of America	05 Jun 2019	16/432319	US-2019-0350582-A1	
END7792USCNT1	United States Of America	20 May 2019	16/416653	US-2019-0336128	
END7810USCNT1	United States Of America	26 Dec 2019	16/727348	US-2020-0187940-A1	
END7810USCNT2	United States Of America	30 Oct 2020	17/084994		
END7816USCNT1	United States Of America	15 Nov 2018	16/191722	US-2019-0150918	
END7816USCNT2	United States Of America	06 Dec 2018	16/211436	US-2019-0167262-A1	
END7816USCNT3	United States Of America	06 Dec 2018	16/211438	US-2019-0167263-A1	
END7816USCNT4	United States Of America	08 Apr 2019	16/377348	US-2019-0298338-A1	
END7816USCNT7	United States Of America	22 Dec 2020	17/130898		
END7825USCNT1	United States Of America	02 Jan 2020	16/732874	US-2020-0214702-A1	
END7846USNP	United States Of America	20 Apr 2017	15/493122		10456193
END7846USCNT1	United States Of America	18 Sep 2019	16/574843	US-2020-0078085	
END7847USNP	United States Of America	09 Feb 2016	15/019220	US-2017-0224333-A1	10245029
END7851USCNT1	United States Of America	15 Jun 2020	16/901499	US 2020-0375593	
END7864USDP	United States Of America	10 Dec 2015	29/548114		D800306
END7864USDCO1	United States Of America	22 Sep 2017	29/618659		D861166
END7871USCNT1	United States Of America	21 Dec 2020	17/128523		
END7873USCNT1	United States Of America	12 Oct 2020	17/067884	US 2021-0085420	
END7876USCNT1	United States Of America	01 May 2019	16/400487	US-2019-0307448-A1	
END7882USCNT1	United States Of America	31 Jan 2020	16/778284	US2020-0237434A1	
END7884USNP1	United States Of America	21 Apr 2017	15/493427	US-2017-0325878-A1	
END7887USCNT2	United States Of America	27 Feb 2020	16/802646	US-2020-0197115	10912618
END7887USCNT3	United States Of America	07 Jan 2021	17/143252		
END7889USNP1	United States Of America	20 Sep 2016	15/270600	US-2017-0105751	10492820
END7892USCNT1	United States Of America	31 Mar 2020	16/835623	US 2020-0315686	
END7893USNP	United States Of America	24 Mar 2017	15/468458	US-2018-0271553-A1	10743899
END7895USCNT1	United States Of America	25 Oct 2019	16/664271	US-2020-0121353	
END7896USNP	United States Of America	04 Apr 2016	15/089741	US-2017-0281219	10743850
END7896USCNT1	United States Of America	02 Jul 2020	16/919286	US-2020-0397422-A1	

END7902USNP	United States Of America	13 Apr 2016	15/097630	US-2017-0296218-A1	10433864
END7903USCNT1	United States Of America	26 Nov 2019	16/696284	US-2020-0107853-A1	
END7907USDIV1	United States Of America	19 Nov 2020	16/952769		
END7909USDIV1	United States Of America	26 Feb 2020	16/801400	US-2020-0268408-A1	
END7910USDIV1	United States Of America	25 Oct 2018	16/170788	US-2019-0090900-A1	10966744
END7911USCNT1	United States Of America	25 Sep 2020	17/032728		
END7911USCNT2	United States Of America	29 Sep 2020	17/036095	US-2021-0052313-A1	
END7911USCNT3	United States Of America	22 Dec 2020	17/131074		
END7911USCNT4	United States Of America	22 Dec 2020	17/131097		
END7911USCNT5	United States Of America	22 Dec 2020	17/131105		
END7911USCNT6	United States Of America	23 Dec 2020	17/132170		
END7912USCNT2	United States Of America	23 Sep 2016	15/274198	US-2017-0281227	10426461
END7912USCNT5	United States Of America	21 Aug 2019	16/546343	US 2020-0046342	
END7917USNP1	United States Of America	17 Aug 2017	15/679948	US-2018-0055530	10420580
END7917USNP5	United States Of America	17 Aug 2017	15/679967	US2018-0078268A1	10952759
END7917USNP2	United States Of America	17 Aug 2017	15/679952	US-2018-0055531	10736649
END7917USNP3	United States Of America	17 Aug 2017	15/679959	US-2018-0056095	10828056
END7917USNP4	United States Of America	17 Aug 2017	15/679960	US-2018-0055532-A1	10779847
END7931USCNT1	United States Of America	05 Oct 2018	16/152883	US-2019-0105115	10709513
END7932USCNT1	United States Of America	22 Jan 2021	17/155461		
END7934USCNT1	United States Of America	25 Jul 2019	16/521794	US-2020-0015915-A1	
END7940USCNT1	United States Of America	06 Apr 2018	15/947187	US-2018-0221096	10413370
END7941USCNT1	United States Of America	10 Apr 2018	15/949276	US-2018-0221099	10478258
END7942USCNT1	United States Of America	11 Apr 2018	15/950276	US-2018-0228561	10485618
END7950USCNT1	United States Of America	27 Aug 2019	16/552428	US-2019-0380799-A1	
END7953USCNT1	United States Of America	26 Nov 2019	16/696296	US-2020-0138468-A1	
END7957USCNT1	United States Of America	25 Oct 2019	16/664276	US2020-0138472A1	
END7958USCNT1	United States Of America	26 Nov 2019	16/696315	US2020-0179000A1	
END7960USNP	United States Of America	28 Feb 2018	15/908021	US-2019-0125382	10736616
END7961USNP	United States Of America	28 Feb 2018	15/908012	US-2019-0125381-A1	10842473
END7965USNP	United States Of America	28 Feb 2018	15/908143	US-2019-0125385	10932804
END7969USCNT1	United States Of America	31 Mar 2020	16/836262	US-2020-0289120-A1	
END7971USNP	United States Of America	06 Feb 2018	15/889374	US-2019-0239886-A1	10932781
END7971USCNT1	United States Of America	29 Jan 2021	17/162641		
END7975USDPC1	United States Of America	28 Apr 2017	29/602182		D837373
END7976USCNT1	United States Of America	30 Aug 2018	16/117600	US-2019-0059892-A1	
END7976USCNT2	United States Of America	30 Aug 2018	16/117621	US-2019-0059893-A1	
END7977USCNT1	United States Of America	14 Aug 2020	16/994101	US-2021-0068829-A1	
END7981USCNT1	United States Of America	11 Jun 2020	16/898693	US-2020-0375597	
END7981USCNT2	United States Of America	14 Sep 2020	17/019548	US-2021-0059671	
END7984USCNT1	United States Of America	02 Oct 2018	16/149757	US-2019-0099181-A1	
END7989USCNT1	United States Of America	10 Mar 2020	16/814231	US-2020-0275926-A1	
END7993USCNT1	United States Of America	28 Apr 2020	16/860332	US-2020-0275930-A1	
END7995USCNT1	United States Of America	02 Oct 2020	17/061802		
END7995USCNT2	United States Of America	18 Mar 2021	17/205685		
END8000USCNT1	United States Of America	15 Jan 2020	16/743262	US-2020-0222045-A1	
END8000USCNT2	United States Of America	21 Dec 2020	17/128296		
END8006USCNT1	United States Of America	22 Apr 2020	16/855647	US 2020-0253605	
END8011USCNT2	United States Of America	02 Dec 2019	16/700000	US-2020-0178960-A1	
END8014USCNT1	United States Of America	02 Oct 2018	16/149778	US-2019-0099182	10905422
END8024USCNT1	United States Of America	27 Feb 2019	16/287314	US-2019-0192156	
END8026USCNT1	United States Of America	27 Feb 2019	16/287370	US-2019-0192158-A1	
END8038USNP	United States Of America	21 Dec 2016	15/385920	US2018-0168620A1	10499914
END8046USCNT1	United States Of America	30 Jun 2020	16/916893	US-2020-0390442-A1	
END8055USNP	United States Of America	24 Jun 2016	15/191834	US-2017-0367699	10542979
END8055USDP	United States Of America	24 Jun 2016	29/569218		D826405
END8055USDP1	United States Of America	24 Jun 2016	29/569227		D822206
END8055USDP2	United States Of America	24 Jun 2016	29/569259		D847989
END8055USDP3	United States Of America	24 Jun 2016	29/569264		D850617
END8055USDIV1	United States Of America	20 Aug 2018	29/660275	US-2019-0076251-A1	D894389
END8055USDCO1	United States Of America	05 Mar 2019	29/682450		D896379
END8055USDCO2	United States Of America	05 Mar 2019	29/682455		D896380
END8055USDPD1	United States Of America	19 Aug 2020	29/747026		
END8064USNP	United States Of America	21 Dec 2016	15/386516	US-2018-0168681	10471282
END8064USDIV1	United States Of America	31 Oct 2019	16/669996	US2020-0078611A1	
END8066USNP	United States Of America	02 Feb 2017	15/422735	US-2018-0214218	10478257
END8067USNP	United States Of America	20 Jan 2017	15/411411	US 2018-0206904	10758298
END8069USNP	United States Of America	15 Dec 2016	15/380483	US-2018-0168688	10959756

END8070USNP	United States Of America	19 Dec 2016	15/383004	US-2018-0168741-A1	10918445
END8070USCNT1	United States Of America	16 Feb 2021	17/176572		
END8071USNP	United States Of America	19 Dec 2016	15/383017	US-2018-0168754	10251716
END8072USNP	United States Of America	19 Dec 2016	15/383026	US-2018-0168733	10568701
END8072USDIV1	United States Of America	06 Feb 2020	16/783656	US 2020-0170719	
END8073USNP	United States Of America	02 Feb 2017	15/422714	US2018-0214224A1	10307215
END8075USNP	United States Of America	16 Dec 2016	15/381453	US-2018-0168744	10143524
END8075USNP1	United States Of America	16 Dec 2016	15/381508	US-2018-0168760	10813713
END8076USNP	United States Of America	15 Dec 2016	15/380490	US-2018-0168743	10568706
END8076USDIV1	United States Of America	15 Jan 2020	16/743771	US 2020-0146760	
END8079USNP	United States Of America	15 Dec 2016	15/380572	US-2018-0168689	10238422
END8079USDIV1	United States Of America	19 Dec 2018	16/226316	US 2019-0125405	10792070
END8079USCNT1	United States Of America	05 Oct 2020	17/062667		
END8080USNP	United States Of America	19 Dec 2016	15/383068	US-2018-0168734	10537394
END8080USDIV1	United States Of America	04 Dec 2019	16/702977	US2020-0100850A1	
END8081USNP	United States Of America	19 Dec 2016	15/383147	US-2018-0168715	10881446
END8081USCNT1	United States Of America	04 Jan 2021	17/140482		
END8082USNP	United States Of America	19 Dec 2016	15/383564	US-2018-0168755	10028794
END8082USCNT1	United States Of America	20 Jun 2018	16/013343	US-2018-0311004	10667878
END8082USCNT2	United States Of America	29 May 2020	16/887014	US2020-0360098A1	
END8083USNP	United States Of America	21 Dec 2016	15/387258	US-2018-168746	10624671
END8085USNP2	United States Of America	20 Dec 2016	15/385032	US-2018-0168671	10398460
END8085USNP	United States Of America	20 Dec 2016	15/385025	US-2018-0168745	
END8085USNP1	United States Of America	20 Dec 2016	15/385028	US-2018-0168677	10405932
END8085USDIV1	United States Of America	27 Aug 2019	16/552402	US2020-0008828A1	
END8086USNP	United States Of America	02 Feb 2017	15/422740	US2018-0214168A1	10357270
END8086USCNT1	United States Of America	21 Jun 2019	16/448597	US-2019-0328416-A1	
END8088USNP	United States Of America	05 Jul 2017	15/641503	US-2019-0008578	10363088
END8091USDPD1	United States Of America	06 May 2019	29/690185		
END8095USCNT1	United States Of America	27 Oct 2017	15/795851	US-2018-0161061	10363058
END8095USCNT2	United States Of America	15 Feb 2019	16/276708	US 2019-0247075	10751079
END8095USCNT3	United States Of America	02 Jul 2020	16/919290	US-2020-0367923-A1	
END8096USNP	United States Of America	17 Feb 2017	15/435986	US-2018-0235613	10925601
END8098USNP	United States Of America	17 Feb 2017	15/435937	US-2018-0235612	10646221
END8099USNP	United States Of America	17 Feb 2017	15/436070	US-2018-0235614	10478183
END8100USNP	United States Of America	17 Feb 2017	15/435969	US-2018-0235621	10485544
END8102USNP	United States Of America	17 Feb 2017	15/436119	US-2018-0235615	
END8103USNP	United States Of America	17 Feb 2017	15/435997	US-2018-0235629	
END8107USNP	United States Of America	17 Feb 2017	15/436221	US-2018-0235617	
END8109USNP	United States Of America	17 Feb 2017	15/436208	US-2018-0235616	10869663
END8110USNP	United States Of America	17 Feb 2017	15/435955	US-2018-0235591	10478280
END8111USPSP	United States Of America	29 Aug 2016	62/380746		
END8111USNP	United States Of America	17 Aug 2017	15/679194	US-2018-0055512-A1	10682137
END8113USDP	United States Of America	17 Feb 2017	29/594332		D836198
END8113USDPD1	United States Of America	02 Nov 2018	29/668915		D898913
END8114USDP	United States Of America	17 Feb 2017	29/594335		D833010
END8114USDPD1	United States Of America	05 Oct 2018	29/665699		D897531
END8115USCIP4	United States Of America	16 Jul 2018	16/035893	US-2019-0000481-A1	
END8115USCNT1	United States Of America	07 Dec 2018	16/212868	US-2019-0175173	
END8118USNP	United States Of America	17 Feb 2017	15/435631	US-2018-0235619	10758231
END8119USNP	United States Of America	17 Feb 2017	15/436394	US-2018-0235626-A1	10716564
END8119USCNT2	United States Of America	24 Feb 2021	17/183712		
END8121USNP	United States Of America	16 Feb 2017	15/434711	US-2018-0228530	
END8126USNP	United States Of America	30 Jan 2017	15/419171	US-2018-0214153	10555735
END8126USCNT1	United States Of America	19 Dec 2019	16/720905	US-2020-0163674	
END8129USNP	United States Of America	07 Dec 2016	15/371764	US 2018-0153627	10743948
END8129USCNT1	United States Of America	17 Aug 2020	16/995166		
END8130USNP2	United States Of America	31 Oct 2017	15/798720	US-2018-0132888	
END8130USDIV1	United States Of America	02 Jun 2020	16/890217	US2020-0375619A1	
END8130USCNT1	United States Of America	21 Dec 2020	17/128534		
END8131USDP	United States Of America	05 Jan 2017	29/589886		D865964
END8132USNP	United States Of America	15 Mar 2017	15/459499	US-2018-0263683	10799284
END8132USCNT1	United States Of America	04 Sep 2020	17/012434		
END8133USNP	United States Of America	31 Mar 2017	15/476665	US-2018-0280075	
END8134USNP	United States Of America	27 Apr 2017	15/499322	US-2018-0310983-A1	10881451
END8134USCNT1	United States Of America	21 Dec 2020	17/128278		
END8135USNP	United States Of America	27 Apr 2017	15/499347	US 2018-0310984	10980594
END8135USCNT1	United States Of America	03 Mar 2021	17/190499		

END8136USNP	United States Of America	27 Apr 2017	15/499359	US-2018-0310982	10932845
END8136USCNT1	United States Of America	27 Jan 2021	17/159547		
END8138USNP	United States Of America	29 Jun 2017	15/637702	US 2019-0000440	10639029
END8139USNP	United States Of America	29 Jun 2017	15/637683	US2019-0000505A1	10639068
END8139USCNT1	United States Of America	01 Feb 2021	17/163817		
END8140USNP	United States Of America	29 Jun 2017	15/637688	US 2019-0000503	10485580
END8142USNP	United States Of America	29 Jun 2017	15/637696	US-2019-0000506-A1	10869690
END8143USNP	United States Of America	29 Jun 2017	15/637707	US 2019-0000441	10568619
END8146USPSP	United States Of America	22 May 2017	62/509336		
END8146USNP	United States Of America	01 May 2018	15/967758	US-2018-0333182-A1	
END8146USNP2	United States Of America	01 May 2018	15/967770	US-2018-0333187	
END8146USNP3	United States Of America	01 May 2018	15/967775	US-2018-0333188	
END8146USNP4	United States Of America	01 May 2018	15/967777	US-2018-0333189	
END8146USNP5	United States Of America	01 May 2018	15/967784	US-2018-03333190	
END8146USNP1	United States Of America	01 May 2018	15/967763	US-2018-0333185	
END8148USNP	United States Of America	09 Jan 2018	15/865533		
END8150USNP	United States Of America	07 Jul 2017	15/643585	US-2019-0008545-A1	10478211
END8150USCNT1	United States Of America	23 Aug 2019	16/549809	US-2020-0069325	
END8151USNP	United States Of America	10 Jul 2017	15/644944	US2019-0008547A1	10709470
END8151USDIV1	United States Of America	02 Jun 2020	16/890219	US-2020-0352591-A1	
END8152USNP	United States Of America	10 Jul 2017	15/644930	US-2019-0008546-A1	10813662
END8153USNP	United States Of America	29 Jun 2017	15/637778	US 2019-0000496	
END8154USNP	United States Of America	27 Jun 2017	15/634385	US-2018-0368821	10835218
END8154USCNT1	United States Of America	28 Oct 2020	17/082319		
END8154USCNT2	United States Of America	01 Mar 2021	17/188050		
END8155USNP	United States Of America	27 Jun 2017	15/634418	US-2018-0374320-A1	10163309
END8156USNP	United States Of America	27 Jun 2017	15/634436	US-2018-0368822	10639018
END8157USNP	United States Of America	27 Jun 2017	15/634452	US-2018-0375165	10511065
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END8159USNP	United States Of America	27 Jun 2017	15/634497	US-2018-0368849	10667812
END8160USNP	United States Of America	27 Jun 2017	15/634524	US-2018-0368850	10888324
END8160USCNT1	United States Of America	05 Nov 2020	17/090402		
END8161USNP	United States Of America	27 Jun 2017	15/634556	US-2018-0368851	
END8162USNP	United States Of America	27 Jun 2017	15/634589		10090616
END8164USNP	United States Of America	27 Jun 2017	15/634054	US2018-0368842A1	10856869
END8165USNP	United States Of America	27 Jun 2017	15/634024	US2018-0368839A1	
END8166USNP	United States Of America	27 Jun 2017	15/634099	US2018-0368846A1	
END8167USNP	United States Of America	27 Jun 2017	15/634076	US2018-0368844A1	
END8168USNP	United States Of America	27 Jun 2017	15/634035	US2018-0368840A1	10772629
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END8170USNP	United States Of America	27 Jun 2017	15/634046	US-2018-0368841-A1	
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END8173USNP	United States Of America	03 Aug 2017	15/668324	US 2019-0038279	
END8174USNP	United States Of America	03 Aug 2017	15/668301	US-2019-0038282-A1	
END8175USNP	United States Of America	03 Aug 2017	15/668319	US-2019-0038283-A1	
END8176USNP	United States Of America	28 Jun 2017	15/635628	US-2019-0000555-A1	10603117
END8177USNP	United States Of America	28 Jun 2017	15/635677	US-2019-0000528-A1	10716614
END8178USNP	United States Of America	28 Jun 2017	15/635707	US-2019-0000530-A1	10903685
END8179USNP	United States Of America	28 Jun 2017	15/635734	US-2019-0000468-A1	10813640
END8179USCNT1	United States Of America	23 Sep 2020	17/029385		
END8180USNP	United States Of America	28 Jun 2017	15/635768	US-2019-0006806	10211586
END8181USNP	United States Of America	28 Jun 2017	15/636144	US 2019-0000536	10265120
END8182USNP	United States Of America	28 Jun 2017	15/636162	US-2019-0000538	
END8183USNP	United States Of America	28 Jun 2017	15/636103	US-2019-0000533	
END8184USNP	United States Of America	28 Jun 2017	15/636096	US-2019-0000478-A1	
END8184USCNT1	United States Of America	13 May 2020	15/930621	US-2021-0397432-A1	
END8185USNP	United States Of America	28 Jun 2017	15/636123	US-2019-0000531	
END8186USNP	United States Of America	28 Jun 2017	15/636169	US-2019-0000532-A1	
END8187USNP	United States Of America	28 Jun 2017	15/636150	US-2019-0000537	
END8188USNP	United States Of America	28 Jun 2017	15/636134	US-2018-0000535	
END8189USNP	United States Of America	28 Jun 2017	15/636116	US-2019-0000534	10888369
END8189USCNT1	United States Of America	16 Sep 2020	17/022371	US2021-0068891A1	
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END8191USNP	United States Of America	20 Jun 2017	15/627998	US-2018-0360469	10390841
END8192USNP	United States Of America	20 Jun 2017	15/628019	US-2018-0360443	10881396
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END8194USNP	United States Of America	20 Jun 2017	15/628050	US-2018-0360446	

END8195USNP	United States Of America	20 Jun 2017	15/628075	US-2018-0360447	10624633
END8196USNP	United States Of America	20 Jun 2017	15/628154	US-2018-0360456	
END8197USNP	United States Of America	20 Jun 2017	15/628158	US-2018-0360449	10888321
END8198USNP	United States Of America	20 Jun 2017	15/628162	US-2018-0360450	10646220
END8199USNP	United States Of America	20 Jun 2017	15/628175	US-2018-0360452	10881399
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END8200USNP	United States Of America	28 Jun 2017	15/635663	US-2019-0000465	10765427
END8200USDIV1	United States Of America	06 May 2020	16/868218	US 2020-0330096	
END8201USNP	United States Of America	28 Jun 2017	15/635958	US-2019-0000474	
END8202USNP	United States Of America	28 Jun 2017	15/635549	US-2019-0000458	10588633
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END8207USNP	United States Of America	28 Jun 2017	15/635693	US-2019-0000466	
END8208USNP	United States Of America	28 Jun 2017	15/635621	US-2019-0000463	10758232
END8209USNP	United States Of America	28 Jun 2017	15/635631	US-2019-0000464	10639037
END8210USNP	United States Of America	28 Jun 2017	15/635729	US-2019-0000467	
END8211USNP	United States Of America	28 Jun 2017	15/635941	US-2019-0000473	10779824
END8212USNP	United States Of America	28 Jun 2017	15/636009	US2019-0000476A1	
END8213USNP	United States Of America	28 Jun 2017	15/635559	US-2019-0000459	
END8214USNP	United States Of America	28 Jun 2017	15/635530	US-2019-0000457	
END8215USNP	United States Of America	28 Jun 2017	15/636029	US-2019-0000477	
END8216USNP	United States Of America	28 Jun 2017	15/635612	US-2019-0000462	
END8217USNP	United States Of America	28 Jun 2017	15/635837	US-2019-0000472-A1	
END8218USNP	United States Of America	28 Jun 2017	15/635808	US-2019-0000471	
END8219USNP	United States Of America	28 Apr 2017	15/581546	US 2018-0310938	10695068
END8220USNP	United States Of America	28 Apr 2017	15/581640	US 2018-0310939	10729444
END8222USNP	United States Of America	20 Jun 2017	15/628168	US-2018-0360451-A1	10327767
END8223USNP	United States Of America	28 Jun 2017	15/635790	US-2019-0000470-A1	
END8224USNP	United States Of America	28 Jun 2017	15/636177	US-2019-0000479	10888325
END8225USNP	United States Of America	13 Jun 2017	15/621551	US-2018-0353180-A1	10939911
END8225USCNT1	United States Of America	28 Jan 2021	17/161069		
END8226USNP	United States Of America	13 Jun 2017	15/621565	US2018-0353659A1	
END8227USNP	United States Of America	13 Jun 2017	15/621636	US2018-0353175	
END8228USNP	United States Of America	13 Jun 2017	15/621572	US-2018-0353174	
END8229USNP	United States Of America	28 Jun 2017	15/636180	US-2019-0000539	
END8230USNP	United States Of America	05 Jul 2017	15/641858	US-2019-0008543	10820920
END8231USNP	United States Of America	31 Jul 2017	15/664244	US-2019-0029707-A1	10561436
END8231USCNT1	United States Of America	26 Nov 2019	16/696336	US-2020-0170665-A1	
END8232USNP	United States Of America	27 Jun 2017	15/634090	US2018-0368845A1	
END8233USNP	United States Of America	28 Jun 2017	15/635521	US-2019-0000456-A1	10695057
END8233USCNT1	United States Of America	26 May 2020	16/883370	US-2020-0281590-A1	
END8234USDP	United States Of America	28 Jun 2017	29/609125		D865175
END8235USDP	United States Of America	28 Jun 2017	29/609129		D906355
END8235USDPD1	United States Of America	11 Nov 2020	29/758013		
END8236USDP	United States Of America	28 Jun 2017	29/609087		D851762
END8237USDP	United States Of America	28 Jun 2017	29/609121		D893717
END8238USDP	United States Of America	28 Jun 2017	29/609128		D908216
END8239USDP	United States Of America	28 Jun 2017	29/609083		D854151
END8240USDP	United States Of America	28 Jun 2017	29/609093		D869655
END8241USDP	United States Of America	27 Jun 2017	29/608975		D835785
END8241USDPD1	United States Of America	25 Oct 2018	29/667841		D882783
END8242USDP	United States Of America	27 Jun 2017	29/608977		D865174
END8243USNP	United States Of America	27 Jun 2017	15/634620	US-2018-0368836	10828029
END8243USCNT1	United States Of America	07 Oct 2020	17/065046		
END8245USNP7	United States Of America	01 May 2018	15/967764	US-2018-0333186	
END8245USPSP	United States Of America	22 May 2017	62/509351		
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END8245USNP5	United States Of America	01 May 2018	15/967759	US-2018-0333183-A1	
END8245USNP6	United States Of America	01 May 2018	15/967761	US-2018-0333184	
END8245USNP	United States Of America	01 May 2018	15/967740	US-2018-0333177-A1	
END8245USNP1	United States Of America	01 May 2018	15/967746	US-2018-0333178	10945778
END8245USNP2	United States Of America	01 May 2018	15/967747	US-2018-0333179	10945779
END8247USNP	United States Of America	31 Aug 2017	15/692310	US-2019-0059928-A1	
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END8248USCNT1	United States Of America	01 Feb 2021	17/164027		

END8249USNP	United States Of America	31 Aug 2017	15/692342	US-2019-0059988-A1	
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END8255USNP	United States Of America	02 Aug 2017	15/666882	US-2019-0039297	10730236
END8255USCNT1	United States Of America	25 Jun 2020	16/911467	US-2020-0324471	
END8256USNP	United States Of America	29 Sep 2017	15/720810	US-2019-0099209-A1	
END8257USNP	United States Of America	29 Sep 2017	15/720822	US-2019-0099212-A1	
END8258USNP	United States Of America	29 Sep 2017	15/720831	US-2019-0099213-A1	
END8259USNP	United States Of America	29 Sep 2017	15/720840	US-2019-0099217-A1	
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END8263USNP	United States Of America	10 Aug 2017	15/674086	US-2019-0046206-A1	10932792
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END8267USNP	United States Of America	20 Jun 2017	15/628072	US-2018-0360454-A1	10980537
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END8270USNP	United States Of America	20 Jun 2017	15/628077	US-2018-0360448	10779820
END8270USCNT1	United States Of America	03 Sep 2020	17/011110	US-2021-0052271	
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END8274USDP	United States Of America	20 Jun 2017	29/608238		D879809
END8274USDPD1	United States Of America	12 Mar 2020	29/727683		
END8275USNP	United States Of America	20 Jun 2017	15/628045	US 2018-0360470	10307170
END8275USCNT1	United States Of America	25 Oct 2018	16/170801	US 2019-0125365	10595882
END8275USCNT2	United States Of America	27 Jan 2020	16/752983	US2020-0268394A1	
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END8277USNP	United States Of America	15 Dec 2017	15/843518	US-2019-0183496	
END8278USNP	United States Of America	15 Dec 2017	15/843535	US-2019-0183498	
END8279USNP	United States Of America	15 Dec 2017	15/843556	US-2019-0183490	10966718
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END8285USNP	United States Of America	15 Dec 2017	15/843508	US-2019-0183494-A1	10828033
END8286USNP	United States Of America	15 Dec 2017	15/843485	US-2019-0183492	10743874
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END8289USNP	United States Of America	29 Jun 2017	15/636854	US-2019-0000448-A1	10898183
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END8291USNP	United States Of America	19 Dec 2017	15/847293	US-2019-0183597	10729509
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END8295USNP	United States Of America	29 Jun 2017	15/636858	US-2019-0000577	10258418
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END8297USNP	United States Of America	19 Dec 2017	15/847315	US-2019-0183594	
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END8316USDP	United States Of America	29 Sep 2017	29/619596		
END8316USDPD1	United States Of America	31 Jul 2020	29/744864		
END8317USDP	United States Of America	29 Sep 2017	29/619600		
END8318USDP	United States Of America	29 Sep 2017	29/619609		D907647
END8319USDP	United States Of America	29 Sep 2017	29/619624		D907648
END8319USDPD1	United States Of America	11 Jan 2021	29/765670		
END8320USNP	United States Of America	29 Sep 2017	15/720852	US-2019-0099180-A1	10743872
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END8326USNP	United States Of America	27 Sep 2017	15/717301	US-2019-0090875	10751059
END8327USNP	United States Of America	27 Sep 2017	15/717317	US-2019-0090876	
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END8333USNP	United States Of America	21 Dec 2017	15/850500	US-2019-0192147	
END8334USNP	United States Of America	21 Dec 2017	15/850518	US-2019-0192137	10743868
END8335USNP	United States Of America	15 Dec 2017	15/843689	US-2019-0183502	
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END8336USDPD2	United States Of America	21 Jun 2019	29/695758		D888953
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END8339USNP	United States Of America	31 Jul 2017	15/664514	US-2019-0029800	10729533
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END8342USNP	United States Of America	31 Jul 2017	15/664665	US-2019-0029689	10405865
END8350USNP	United States Of America	26 Sep 2017	15/715864	US-2019-0090905	10792069
END8351USNP	United States Of America	29 Sep 2017	15/720640	US-2019-0099202	10758269
END8351USPCT1	United States Of America	21 Sep 2018	PCT/IB2018/057316		
END8351USDIV1	United States Of America	25 Aug 2020	17001910	US-2020-0383701-A1	
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END8353USDIV1	United States Of America	21 Apr 2020	16/853957	US-2020-0246044-A1	
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END8354USDIV1	United States Of America	25 Aug 2020	17/001945	US 2021-0030438	
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END8358USNP	United States Of America	26 Oct 2017	15/794490	US-2019-0125464-A1	10624709
END8359USNP	United States Of America	05 Oct 2017	15/725508	US 2019-0105032	10820898
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END8399USNP2	United States Of America	29 Aug 2017	15/689205	US-2019-0059972	10905493
END8399USNP3	United States Of America	29 Aug 2017	15/689242	US-2019-0059986	
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END8452USNP	United States Of America	08 Feb 2018	15/891594	US-2019-0239890-A1	10779839
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END8487USNP	United States Of America	12 Apr 2018	15/951747	US-2019-0314054	
END8487USNP3	United States Of America	12 Apr 2018	15/951811	US-2019-0314050	
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END8495USNP	United States Of America	04 Dec 2018	16/209385	US-2019-0200844-A1	
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END8496USPSP	United States Of America	28 Dec 2017	62/611340		
END8497USNP	United States Of America	04 Dec 2018	16/209407	US-2019-0201137-A1	
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END8499USNP2	United States Of America	29 Mar 2018	15/940656	US2019-0201141A1	
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END8499USNP5	United States Of America	29 Mar 2018	15/940677	US2019-0201143A1	
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END8500USNP3	United States Of America	29 Mar 2018	15/940649	US-2019-0205567	
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END8502USNP2	United States Of America	29 Mar 2018	15/940700	US-2019-0205001	
END8502USPSP	United States Of America	28 Mar 2018	62/649309		
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END8502USCNT2	United States Of America	31 Mar 2021	17/218872		
END8502USCNT3	United States Of America	31 Mar 2021	17/218885		
END8503USNP	United States Of America	29 Mar 2018	15/940629	US-2019-0201112	
END8503USPSP	United States Of America	28 Mar 2018	62/649310		
END8503USCNT1	United States Of America	17 Mar 2021	17/203884		
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END8504USNP2	United States Of America	29 Mar 2018	15/940742	US-2019-0200906	
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END8505USNP	United States Of America	04 Dec 2018	16/209416	US2019-0206562A1	
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END8506USPSP	United States Of America	28 Mar 2018	62/649296		
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END8507USCNT2	United States Of America	31 Mar 2021	17/218933		
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END8511USNP	United States Of America	29 Mar 2018	15/940627	US2019-0201111A1	
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END8561USPSP	United States Of America	23 Aug 2018	62/721996		
END8562USNP	United States Of America	18 May 2018	15/983407	US2019-0350579A1	10849614
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END8563USCNT3	United States Of America	21 Dec 2020	17/128576		
END8564USPSP	United States Of America	23 Aug 2018	62/721998		
END8565USPSP	United States Of America	23 Aug 2018	62/721999		
END8566USPSP	United States Of America	23 Aug 2018	62/721994		
END8567USPSP	United States Of America	01 May 2018	62/665129		
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END8567USNP2	United States Of America	24 Aug 2018	16/112155	US-2019-0125335-A1	
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END8568USNP	United States Of America	26 Oct 2018	16/172280	US-2019-0125458-A1	
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END8604USDP3	United States Of America	16 May 2018	29/647864		D896962
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END9170USNP8	United States Of America	26 Jun 2019	16/453343	US-20200261085	
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ETH5450USDIV2	United States Of America	08 Mar 2013	13/790073	US-2013-0189422	9034415
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ETH5635USCIP1	United States Of America	19 Dec 2012	13/720198	US-2013-0303845	10575716
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ETH5757USDP	United States Of America	05 Mar 2013	29/447579		D707820
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ETH6043USDPI	United States Of America	13 Sep 2019	29/705604		D903855
ETH6043USDPI2	United States Of America	13 Sep 2019	29/705606		D904603
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ETH6056USNP1	United States Of America	05 Nov 2019	16/674168		
ETH6101USPSP1	United States Of America	19 Feb 2021	63/151253		
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