

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	RESUBMISSION
NATURE OF CONVEYANCE:	ASSIGNMENT
RESUBMIT DOCUMENT ID:	508524666
CONVEYING PARTY DATA	
Name	Execution Date
ETHICON LLC	04/05/2021
RECEIVING PARTY DATA	
Company 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:	18137792
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ATTORNEY DOCKET NUMBER:	END8199USCNT2_264142.087
NAME OF SUBMITTER:	Cammie Teems
SIGNATURE:	Cammie Teems
DATE SIGNED:	07/24/2024
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: [Signature]
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]

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APOSTILLE

(Convention de la Haye du 5 octobre 1961)

1. Country: United States of America

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2. has been signed by
ha sido firmado por

MARIANA B. BULA LOPEZ

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

Notary Public

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

Notary of Puerto Rico

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:

[Signature]

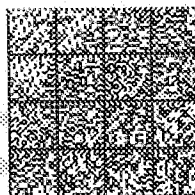
Authorized Officer

9. Seal/Stamp
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10. Signature:
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[Signature]
Lawrence N. Seilhamer Rodríguez
Secretary of State

PATENT

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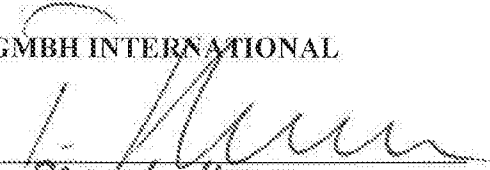
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IN WITNESS WHEREOF, the undersigned parties have caused this Patent Assignment for Domestic Patents to be effective as of 10:00 am Eastern Daylight Time on the Effective Date.

ETHICON LLC

By: _____
Name:
Title:

CILAG GMBH INTERNATIONAL

By: 
Name: Pascal Harn
Title: Managing Officer

By: 
Name: Andrea Ostinelli
Title: Managing Officer

[SIGNATURE PAGE OF PATENT ASSIGNMENT FOR DOMESTIC PATENTS]

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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 Altdorf UR
Lieu d'origine / Nationalité

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

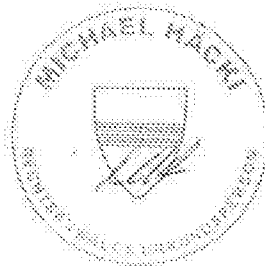
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Carte d'identité N°

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

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Résidence

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Zug. 21.4.2021 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.
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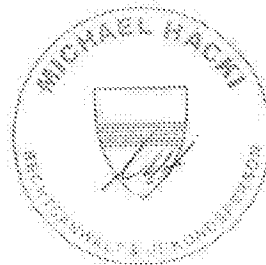
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Ausgabeland des Ausweisdokuments
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Zug. 21.4.2021 Notar / Notary Public / Notaire

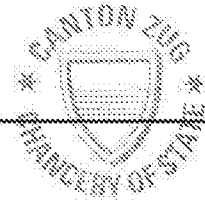


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Apostille

(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



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END7299USCNT7	United States Of America	27 Sep 2019	16/585718	US 2020-0107829	
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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	
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END7309USNP	United States Of America	26 Nov 2013	14/090444	US-2015-0148831	9943325
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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
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END7315USPCT	United States Of America	08 Dec 2014	15/105444	US-2016-0324537-A1	10912580
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END7325USNP2	United States Of America	25 Nov 2014	14/552614	US-2015-0148834	10004527
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END7330USCNT6	United States Of America	17 Sep 2020	17/024013	US2021-0068816A1	
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END7355USCNT1	United States Of America	10 Jul 2017	15/645293		10285691

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AUR6136USNP6	United States Of America	18 Jun 2020	16/946370		
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END0798USA	United States Of America	16 May 2003	10/440955	US-2003-0229360-A1	
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END0887USCIP2	United States Of America	25 Feb 2005	11/066371	US-2005-0173490-A1	7140528
END0887USCIP3	United States Of America	03 Oct 2006	11/538237	US-2007-0084896-A1	7641093
END0888US	United States Of America	20 May 2003	10/441632	US-2004-0232196-A1	7000818
END0895USA	United States Of America	09 Jul 2003	10/615973	US-2005-0006434-A1	7111769
END0898US	United States Of America	20 May 2003	10/441565	US-2004-0232200-A1	6988649
END0904USA	United States Of America	09 Jul 2003	10/615962		6786382
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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
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END7377USNP	United States Of America	10 Jun 2014	14/300811	US-2015-0351763-A1	9936954
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END7386USNP	United States Of America	26 Mar 2014	14/226142	US-2015-0272575-A1	9913642
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END5041USCNT1	United States Of America	17 Aug 2010	12/857653		
END5123US	United States Of America	26 Nov 2003	10/723799	US-2005-0113815-A1	7118564
END5124USA	United States Of America	29 Sep 2003	10/673929	US-2005-0067457-A1	6959852
END5125USANP	United States Of America	07 Sep 2004	10/935450	US-2006-0049230-A1	7128254
END5126USNP	United States Of America	29 Sep 2003	10/674236	US-2005-0070925-A1	7434715
END5127USNP	United States Of America	29 Sep 2005	11/238291	US-2007-0068990-A1	7357287
END5128USNP	United States Of America	30 Jun 2004	10/881091	US-2006-0000867-A1	7059508
END5129USNP	United States Of America	30 Jun 2004	10/881105	US-2006-0000868-A1	7367485
END5130USANP	United States Of America	29 Sep 2003	10/673930	US-2005-0067459-A1	6905057
END5130USCIP	United States Of America	07 Feb 2005	11/052632	US-2005-0178813-A1	7083075
END5130USCIP2	United States Of America	23 Dec 2005	11/318105	US-2006-0097026-A1	7303108
END5131USNP	United States Of America	29 Sep 2003	10/673662	US-2005-0067458-A1	7000819
END5132USNP	United States Of America	29 Sep 2003	10/674026	US-2005-0070958-A1	7364061
END5137USPSP	United States Of America	17 Jun 2003	60/478984		
END5137USANP	United States Of America	16 Jun 2004	10/869351	US-2005-0033337-A1	
END5137USCNT1	United States Of America	16 May 2010	12/780919	US-2010-0222714-A1	
END5137USCNT2	United States Of America	16 Sep 2010	12/883322	US-2011-0004233-A1	
END5137USCNT3	United States Of America	15 Mar 2012	13/420997	US-2012-0172904-A1	
END5137USCNT4	United States Of America	20 Feb 2013	13/771666	US-2013-0165929-A1	
END5137USCNT5	United States Of America	03 Mar 2014	14/195096	US-2014-0180175-A1	
END5151USNP	United States Of America	05 Nov 2003	10/701588	US-2005-0096679-A1	7163548
END5152USAPSP	United States Of America	27 Feb 2004	60/548337		
END5152USNP	United States Of America	24 Feb 2005	11/065667	US-2005-0234484-A1	
END5152USCNT1	United States Of America	23 Jun 2010	12/821541	US-2010-0262172-A1	8540742
END5153USAPSP	United States Of America	27 Feb 2004	60/548308		
END5153USNP	United States Of America	24 Feb 2005	11/065671	US-2005-0192612-A1	8182501
END5153USPCT	United States Of America	25 Feb 2005	PCT/US2005/006273		
END5153USCNT1	United States Of America	03 May 2012	13/462946	US-2012-0215244-A1	8460326
END5153USCNT2	United States Of America	17 May 2013	13/896380	US-2013-0253558-A1	9168055
END5153USCNT3	United States Of America	18 Aug 2015	14/829116	US-2015-0351792-A1	10010341
END5153USCNT4	United States Of America	26 Jun 2018	16/018594	US-2018-0296239-A1	10874418
END5153USCNT5	United States Of America	09 Nov 2020	17/092459		
END5154USPSP	United States Of America	27 Feb 2004	60/548309		
END5154USNP	United States Of America	24 Feb 2005	11/065380	US-2005-0192611-A1	
END5154USCNT1	United States Of America	22 Jan 2009	12/357569	US-2010-0023043-A1	8388638
END5155USPSP	United States Of America	27 Feb 2004	60/548301		
END5155USNP	United States Of America	24 Feb 2005	11/065378	US-2005-0192610-A1	
END5155USCNT1	United States Of America	22 Jan 2009	12/357846	US-2010-0023044-A1	8444663
END5167USANP	United States Of America	17 Sep 2004	10/943215	US-2005-0077688-A1	8034032
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

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		

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	

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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	

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

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		

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-2013-03342870-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
END5724USNP	United States Of America	29 Mar 2006	11/392040	US-2007-0239028-A1	9675375
END5724USCNT1	United States Of America	16 May 2017	15/596666	US-2017-0245882-A1	10617482
END5724USCNT2	United States Of America	10 Apr 2020	16/845551	US-2020-0237464-A1	
END5725USNP	United States Of America	05 Jan 2006	11/326256	US-2007-0167965-A1	
END5747USPSP	United States Of America	14 Oct 2005	60/726625		
END5747USNP1	United States Of America	10 Oct 2006	11/545784	US-2007-0106158-A1	8152825
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

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	

END5747USDIV5	United States Of America	09 Apr 2007	11/784714	US-2007-0232920-A1	8512364
END5747USPSP1	United States Of America	10 Oct 2007	60/978883		
END5747USNP2	United States Of America	09 Oct 2008	12/248262	US-2009-0099582-A1	8328834
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	

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

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

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		

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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	
END5881USDP1	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-2018-00870939	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	

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
END8158USNP	United States Of America	27 Jun 2017	15/634475	US-2018-0368848	
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
END8169USNP	United States Of America	27 Jun 2017	15/634068	US-2018-0368843-A1	
END8170USNP	United States Of America	27 Jun 2017	15/634046	US-2018-0368841-A1	
END8171USNP	United States Of America	27 Jun 2017	15/634117	US2018-0368847A1	10631859
END8172USNP	United States Of America	03 Aug 2017	15/668298	US-2019-0038381-A1	
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	
END8190USNP	United States Of America	28 Jun 2017	15/636110	US-2019-0000525	
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
END8193USNP	United States Of America	20 Jun 2017	15/628036	US-2018-0360445	
END8194USNP	United States Of America	20 Jun 2017	15/628050	US-2018-0360446	

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		
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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		

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
END8199USCNT1	United States Of America	13 Nov 2020	17/097346		
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
END8203USNP	United States Of America	28 Jun 2017	15/635578	US-2019-0000460	10786253
END8204USNP	United States Of America	28 Jun 2017	15/635785	US-2019-0000469	
END8205USNP	United States Of America	28 Jun 2017	15/635594	US-2019-0000461	
END8206USNP	United States Of America	28 Jun 2017	15/635981	US-2019-0000475	
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	
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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	
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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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END8245USNP4	United States Of America	01 May 2018	15/967753	US-2018-0333181	
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	
END8248USNP	United States Of America	25 Aug 2017	15/686753	US-2019-0059984	10932846
END8248USCNT1	United States Of America	01 Feb 2021	17/164027		

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

END8249USNP	United States Of America	31 Aug 2017	15/692342	US-2019-0059988-A1	
END8254USNP	United States Of America	30 Aug 2017	15/690468	US-2019-0059933	10743903
END8254USCNT1	United States Of America	02 Jul 2020	16/919292	US2020-0375626A1	
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	
END8260USNP	United States Of America	10 Aug 2017	15/674166	US-2019-0046201-A1	10617429
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END8262USNP	United States Of America	10 Aug 2017	15/674075	US-2019-0046197-A1	10675031
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END8263USNP	United States Of America	10 Aug 2017	15/674086	US-2019-0046206-A1	10932792
END8264USNP	United States Of America	10 Aug 2017	15/674096	US-2019-0046196-A1	10751052
END8265USNP	United States Of America	10 Aug 2017	15/674121	US-2019-0046198-A1	10959732
END8265USCNT1	United States Of America	22 Feb 2021	17/181251		
END8267USNP	United States Of America	20 Jun 2017	15/628072	US-2018-0360454-A1	10980537
END8268USNP	United States Of America	20 Jun 2017	15/628053	US-2018-0360471	
END8269USNP	United States Of America	20 Jun 2017	15/628029	US-2018-0360444-A1	10368864
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	
END8271USNP	United States Of America	20 Jun 2017	15/628115	US-2018-0360455	10813639
END8272USDP	United States Of America	20 Jun 2017	29/608246		D890784
END8273USDP	United States Of America	20 Jun 2017	29/608231		D879808
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	
END8276USNP	United States Of America	20 Jun 2017	15/628060	US-2018-0360472	
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
END8280USNP	United States Of America	15 Dec 2017	15/843682	US-2019-0183501	
END8281USNP	United States Of America	15 Dec 2017	15/843567	US-2019-0183500	10779825
END8282USNP	United States Of America	15 Dec 2017	15/843528	US-2019-0183497	10743875
END8283USNP	United States Of America	15 Dec 2017	15/843558	US-2019-0183499-A1	
END8284USNP	United States Of America	15 Dec 2017	15/843501	US-2019-0183493-A1	10869666
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
END8287USNP	United States Of America	15 Dec 2017	15/843514	US-2019-0183495	10687813
END8288USNP	United States Of America	29 Jun 2017	15/636837	US-2019-0000565-A1	
END8289USNP	United States Of America	29 Jun 2017	15/636854	US-2019-0000448-A1	10898183
END8290USNP	United States Of America	19 Dec 2017	15/847297	US-2019-0183504	10716565
END8291USNP	United States Of America	19 Dec 2017	15/847293	US-2019-0183597	10729509
END8292USDP	United States Of America	19 Dec 2017	29/630115		D910847
END8293USNP	United States Of America	29 Jun 2017	15/636829	US-2019-0000446-A1	10932772
END8293USCNT1	United States Of America	22 Feb 2021	17/181740		
END8294USNP	United States Of America	29 Jun 2017	15/636844	US-2019-0000447-A1	10398434
END8295USNP	United States Of America	29 Jun 2017	15/636858	US-2019-0000577	10258418
END8296USNP	United States Of America	19 Dec 2017	15/847325	US-2019-0183491	
END8297USNP	United States Of America	19 Dec 2017	15/847315	US-2019-0183594	
END8298USNP	United States Of America	15 Dec 2017	15/843704	US-2019-0183503-A1	10779826
END8298USCNT1	United States Of America	04 Sep 2020	17/012241	US-2021-0045742-A1	
END8299USNP	United States Of America	21 Dec 2017	15/850431	us-2019-0192145-A1	10682134
END8299USCNT1	United States Of America	18 May 2020	16/876634	US-2020-0345346-A1	
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END8301USNP	United States Of America	21 Dec 2017	15/850495	US-2019-0192141-A1	
END8302USNP	United States Of America	21 Dec 2017	15/850522	US-2019-0192150-A1	
END8304USNP	United States Of America	21 Dec 2017	15/850542	US-2019-0192138-A1	
END8305USNP	United States Of America	21 Dec 2017	15/850579	US-2019-0192154-A1	
END8306USNP	United States Of America	21 Dec 2017	15/850505	US-2019-0192148-A1	
END8307USNP	United States Of America	21 Dec 2017	15/850534	US-2019-0192152-A1	
END8308USNP	United States Of America	21 Dec 2017	15/850562	US-2019-0192153-A1	
END8308USPCT	United States Of America	10 Dec 2018	PCT/IB2018/059844		

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
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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

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END8311USNP	United States Of America	21 Dec 2017	15/850480	US-2019-0192146-A1	
END8312USNP	United States Of America	29 Sep 2017	15/720800	US-2019-0099178-A1	10765429
END8313USNP	United States Of America	29 Sep 2017	15/720811	US-2019-0102930	10796471
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END8314USNP	United States Of America	29 Sep 2017	15/720829	US-2019-0099179-A1	
END8315USNP	United States Of America	29 Sep 2017	15/720838	US-2019-0099224	10729501
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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
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END8325USNP	United States Of America	27 Sep 2017	15/717270	US-2019-0090874	10835256
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END8327USNP	United States Of America	27 Sep 2017	15/717317	US-2019-0090876	
END8328USNP	United States Of America	27 Sep 2017	15/717343	US-2019-0090877	10758236
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END8331USNP	United States Of America	21 Dec 2017	15/850526	US-2019-0192151	
END8332USNP	United States Of America	21 Dec 2017	15/850529	US-2019-0192236	
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	
END8336USDP	United States Of America	10 Aug 2017	29/613511		D858767
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END8336USDPD2	United States Of America	21 Jun 2019	29/695758		D888953
END8337USNP	United States Of America	25 May 2017	15/604787	US2017-0258471A1	10709452
END8337USCNT1	United States Of America	31 Mar 2020	16/836291	US-2020-0305881-A1	
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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
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END8351USDIV1	United States Of America	25 Aug 2020	17001910	US-2020-0383701-A1	
END8352USNP	United States Of America	29 Sep 2017	15/720612	US-2019-0099201	10751087
END8353USNP	United States Of America	29 Sep 2017	15/720574		10639069
END8353USDIV1	United States Of America	21 Apr 2020	16/853957	US-2020-0246044-A1	
END8354USNP	United States Of America	06 Oct 2017	15/727107	US-2019-0105076	10758270
END8354USDIV1	United States Of America	25 Aug 2020	17/001945	US-2021-0030438	
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END8356USNP	United States Of America	26 Oct 2017	15/794449	US-2019-0128347-A1	10704624
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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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END8360USNP	United States Of America	06 Oct 2017	15/727121	US-2019-0105099	
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END8365USNP	United States Of America	23 Oct 2017	15/790385	US-2019-0117324	10639116
END8365USDIV1	United States Of America	21 Apr 2020	16/854047	US-2020-0246097	
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END8383USNP	United States Of America	30 Oct 2017	15/797200	US-2019-0125343	
END8384USNP	United States Of America	30 Oct 2017	15/797228		
END8385USNP	United States Of America	31 Oct 2017	15/798900	US-2019-0125475	10779903
END8390USNP	United States Of America	29 Aug 2017	15/689057	US-2019-0059900-A1	10912567
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END8392USNP	United States Of America	29 Aug 2017	15/689198	US-2019-0059889-A1	
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END8392USNP2	United States Of America	29 Aug 2017	15/689204	US-2019-0059891-A1	10925602
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END6152USCNT2	United States Of America	05 Mar 2010	12/718165	US-2010-0243709-A1	8672208
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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	
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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
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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
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END6217USNP	United States Of America	14 Feb 2008	12/031326	US-2009-0206130-A1	7866527
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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	

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END8394USNP	United States Of America	29 Aug 2017	15/689104	US-2019-0059888-A1	10905421
END8395USNP	United States Of America	29 Aug 2017	15/689488	US-2019-0059877-A1	10470758
END8396USNP	United States Of America	29 Aug 2017	15/689657	US-2019-0060018-A1	10925682
END8396USNP1	United States Of America	29 Aug 2017	15/689679	US-2019-0059930-A1	10912581
END8396USNP2	United States Of America	29 Aug 2017	15/689694	US-2019-0059931-A1	10898219
END8396USNP3	United States Of America	29 Aug 2017	15/689706	US-2019-0059932-A1	
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END8399USNP3	United States Of America	29 Aug 2017	15/689242	US-2019-0059986	
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END8401USNP2	United States Of America	29 Aug 2017	15/689722	US-2019-0059991-A1	10772677
END8401USNP	United States Of America	29 Aug 2017	15/689609	US-2019-0059973-A1	10856928
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END8449USNP1	United States Of America	14 Feb 2018	15/896496	US-2019-0247047	10765434
END8449USNP	United States Of America	12 Feb 2018	15/893938	US-2019-0247046	10849626
END8450USNP	United States Of America	08 Feb 2018	15/891603	US-2019-0239891-A1	10828043
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END8451USNP	United States Of America	08 Feb 2018	15/891609	US-2019-0239892-A1	10842499
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END8452USNP	United States Of America	08 Feb 2018	15/891594	US-2019-0239890-A1	10779839
END8452USDIV1	United States Of America	25 Aug 2020	17/002007	US-2020-0383686-A1	
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END8463USCIP1	United States Of America	31 May 2018	15/994755	US-2019---21756-A1	
END8464USDP	United States Of America	14 Sep 2017	29/617469		D831209
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END8475USNP7	United States Of America	21 Feb 2018	15/901758	US 2019-0254661	10799237
END8475USNP8	United States Of America	21 Feb 2018	15/901767	US 2019-0254670	10779817
END8475USDP	United States Of America	21 Feb 2018	29/637769		D882782
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END8484USPSP	United States Of America	12 Oct 2017	62/571404		
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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	
END8487USCNT1	United States Of America	04 Feb 2021	17/167496		
END8488USNP	United States Of America	26 Oct 2017	15/794519	US-2019-0125465-A1	10881476
END8489USNP	United States Of America	26 Oct 2017	15/794555	US-2019-0125466-A1	10786320
END8489USCNT1	United States Of America	28 Sep 2020	17/034909	US-2021-0007818-A1	
END8490USNP	United States Of America	26 Oct 2017	15/794581	US-2019-0125467-A1	10828117
END8491USNP	United States Of America	26 Oct 2017	15/794596	US-2019-0125468-A1	
END8492USNP	United States Of America	01 Mar 2018	15/908875	US-2019-0269436-a1	10828064

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		

END8492USCNT1	United States Of America	23 Oct 2020	17/078145	US2021-0038256A1	
END8493USNP	United States Of America	07 Mar 2018	15/914407	US-2019-0274803-A1	10813737
END8495USPSP1	United States Of America	19 Apr 2018	62/659900		
END8495USNP	United States Of America	04 Dec 2018	16/209385	US-2019-0200844-A1	
END8495USPSP	United States Of America	28 Dec 2017	62/611341		
END8495USNP1	United States Of America	04 Dec 2018	16/209395	US-2019-0201136	
END8496USNP	United States Of America	04 Dec 2018	16/209403	US2019-0206569A1	
END8496USPSP	United States Of America	28 Dec 2017	62/611340		
END8497USNP	United States Of America	04 Dec 2018	16/209407	US-2019-0201137-A1	
END8497USPSP	United States Of America	28 Dec 2017	62/611339		
END8499USNP	United States Of America	29 Mar 2018	15/940641	US-2019-0207911-A1	10944728
END8499USNP1	United States Of America	29 Mar 2018	15/940648	US2019-0206004A1	
END8499USNP2	United States Of America	29 Mar 2018	15/940656	US2019-0201141A1	
END8499USNP3	United States Of America	29 Mar 2018	15/940666	US-2019-0206551-A1	
END8499USNP4	United States Of America	29 Mar 2018	15/940670	US-2019-0201116-A1	
END8499USNP5	United States Of America	29 Mar 2018	15/940677	US2019-0201143A1	
END8499USPSP	United States Of America	28 Mar 2018	62/649302		
END8499USCNT1	United States Of America	24 Feb 2021	17/183741		
END8500USNP	United States Of America	29 Mar 2018	15/940632	US-2019-0205566	
END8500USNP1	United States Of America	29 Mar 2018	15/940640	US-2019-0200863	
END8500USNP2	United States Of America	29 Mar 2018	15/940645	US-2019-0207773	10892899
END8500USNP3	United States Of America	29 Mar 2018	15/940649	US-2019-0205567	
END8500USPSP	United States Of America	28 Mar 2018	62/649294		
END8500USCNT1	United States Of America	30 Mar 2021	17/217163		
END8500USCNT2	United States Of America	30 Mar 2021	17/217175		
END8501USNP	United States Of America	29 Mar 2018	15/940654	US-2019-0201140	
END8501USNP1	United States Of America	29 Mar 2018	15/940663	US-2019-0201033	
END8501USNP2	United States Of America	29 Mar 2018	15/940668	US-2019-0201115	
END8501USPSP	United States Of America	28 Mar 2018	62/649300		
END8501USCNT1	United States Of America	30 Mar 2021	17/217642		
END8502USNP	United States Of America	29 Mar 2018	15/940671	US-2019-0201104	
END8502USNP1	United States Of America	29 Mar 2018	15/940686	US-2019-0201105	
END8502USNP2	United States Of America	29 Mar 2018	15/940700	US-2019-0205001	
END8502USPSP	United States Of America	28 Mar 2018	62/649309		
END8502USCNT1	United States Of America	12 Mar 2021	17/199924		
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		
END8504USNP	United States Of America	29 Mar 2018	15/940704	US-2019-0206050	
END8504USNP1	United States Of America	29 Mar 2018	15/940722	US-2019-0200905	
END8504USNP2	United States Of America	29 Mar 2018	15/940742	US-2019-0200906	
END8504USPSP	United States Of America	28 Mar 2018	62/649291		
END8504USCNT1	United States Of America	26 Mar 2021	17/213564		
END8505USNP	United States Of America	04 Dec 2018	16/209416	US2019-0206562A1	
END8506USNP	United States Of America	29 Mar 2018	15/940636	US-2019-0206003-A1	
END8506USNP1	United States Of America	29 Mar 2018	15/940653	US-2019-0201114-A1	
END8506USPSP	United States Of America	28 Mar 2018	62/649296		
END8506USCNT1	United States Of America	25 Mar 2021	17/212749		
END8507USNP	United States Of America	29 Mar 2018	15/940660		
END8507USNP1	United States Of America	29 Mar 2018	15/940679		10932872
END8507USNP2	United States Of America	29 Mar 2018	15/940694		10966791
END8507USPSP	United States Of America	28 Mar 2018	62/649333		
END8507USCNT2	United States Of America	31 Mar 2021	17/218933		
END8508USNP	United States Of America	29 Mar 2018	15/940634		
END8508USPSP	United States Of America	28 Mar 2018	62/649327		
END8509USNP	United States Of America	29 Mar 2018	15/940706	US-2019-0206561-A1	
END8509USPSP	United States Of America	28 Mar 2018	62/649315		
END8509USCNT1	United States Of America	30 Mar 2021	17/216997		
END8510USNP	United States Of America	29 Mar 2018	15/940675	US-2019-0201117-A1	10849697
END8510USPSP	United States Of America	28 Mar 2018	62/649313		
END8511USNP	United States Of America	29 Mar 2018	15/940627	US2019-0201111A1	
END8511USNP1	United States Of America	29 Mar 2018	15/940637	US-2019-0201139-A1	
END8511USNP2	United States Of America	29 Mar 2018	15/940642	US-2019-0201113-A1	
END8511USPSP	United States Of America	28 Mar 2018	62/649320		
END8511USCNT1	United States Of America	22 Dec 2020	17/130242		
END8512USNP	United States Of America	29 Mar 2018	15/940676	US 2019-0201142	

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	12/110755	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

END8512USNP1	United States Of America	29 Mar 2018	15/940680	US 2019-0201135	
END8512USNP2	United States Of America	29 Mar 2018	15/940683	US 2019-0201145	
END8512USNP3	United States Of America	29 Mar 2018	15/940690	US 2019-0201118	
END8512USPSP	United States Of America	28 Mar 2018	62/649307		
END8513USNP	United States Of America	29 Mar 2018	15/940711	US 2019-0201120	
END8513USPSP	United States Of America	28 Mar 2018	62/649323		
END8514USNP	United States Of America	17 Apr 2018	15/955203	US 2019-0314107	
END8514USNP1	United States Of America	17 Apr 2018	15/955226	US 2019-0314108	
END8514USCIP1	United States Of America	20 Feb 2019	16/280597	US 2019-0314060	
END8515USNP	United States Of America	13 Mar 2018	15/919512	US-2019-0282291	
END8516USNP	United States Of America	20 Mar 2018	15/926751	US-2019-0290318-A1	10582945
END8516USCNT1	United States Of America	30 Jan 2020	16/777183	US-2020-0237397-A1	
END8518USNP	United States Of America	20 Feb 2018	15/900096	US-2019-0254762	10702349
END8521USNP	United States Of America	23 Mar 2018	15/934139	US-2019-0290307-A1	10842517
END8522USNP	United States Of America	23 Mar 2018	15/934148	US-2019-0290308-A1	10799257
END8523USNP	United States Of America	23 Mar 2018	15/934160	US-2019-0290269-A1	
END8524USNP	United States Of America	23 Mar 2018	15/934166	US-2019-0290270-A1	10631860
END8525USNP	United States Of America	23 Mar 2018	15/934173	US-2019-0290271-A1	10639038
END8526USNP	United States Of America	23 Mar 2018	15/934180	US-2019-0290272-A1	10779828
END8527USNP	United States Of America	23 Mar 2018	15/934190	US-2019-0290273-A1	10631861
END8527USCNT1	United States Of America	31 Mar 2020	16/836256	US-2020-0275929-A1	
END8528USNP	United States Of America	19 Dec 2017	15/847306	US-2019-0183592-A1	10835330
END8528USCNT1	United States Of America	06 Apr 2020	16/840534	US-2020-0297438	
END8536USNP10	United States Of America	27 Sep 2018	16/144472	US2019-0274749A1	
END8538USPSP	United States Of America	30 Mar 2018	62/650887		
END8538USNP	United States Of America	04 Dec 2018	16/209423	US-2019-0200981-A1	
END8538USCNT1	United States Of America	07 Nov 2019	16/676652	US-2020-0178971-A1	
END8539USPSP	United States Of America	28 Jun 2018	62/691228		
END8539USNP	United States Of America	04 Dec 2018	16/209427	US-2019-0208641-A1	
END8540USPSP	United States Of America	30 Mar 2018	62/650877		
END8540USNP	United States Of America	04 Dec 2018	16/209433	US-2019-0201594	
END8541USPSP	United States Of America	30 Mar 2018	62/650882		
END8541USNP	United States Of America	04 Dec 2018	16/209447	US-2019-0201045-A1	
END8542USPSP	United States Of America	30 Mar 2018	62/650898		
END8542USNP	United States Of America	29 Jun 2018	16/024090	US-2019-0201090-A1	
END8543USPSP	United States Of America	28 Jun 2018	62/691227		
END8543USNP	United States Of America	29 Jun 2018	16/024057	US-2019-0201018-A1	10695081
END8543USNP1	United States Of America	29 Jun 2018	16/024067	US-2019-0201019	10595887
END8543USNP2	United States Of America	29 Jun 2018	16/024075	US-2019-0201146	
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END8543USNP5	United States Of America	29 Jun 2018	16/024138	US-2019-0200985	
END8543USNP6	United States Of America	29 Jun 2018	16/024150	US-2019-0200986	
END8543USNP7	United States Of America	29 Jun 2018	16/024160	US-2019-0200987	
END8543USCNT1	United States Of America	16 Sep 2020	17/022394	US-2021-0059674-A1	
END8544USPSP	United States Of America	28 Jun 2018	62/691230		
END8544USNP	United States Of America	29 Jun 2018	16/024124	US-2019-0201079-A1	
END8544USNP1	United States Of America	29 Jun 2018	16/024132	US-2019-0201021-A1	
END8544USNP2	United States Of America	29 Jun 2018	16/024141	US-2019-0201159-A1	
END8544USNP3	United States Of America	29 Jun 2018	16/024162	US-2019-0200988-A1	
END8545USPSP	United States Of America	28 Jun 2018	62/691219		
END8545USNP	United States Of America	29 Jun 2018	16/024066	US-2019-0201082	
END8545USNP1	United States Of America	29 Jun 2018	16/024096	US-2019-0201083	
END8545USNP2	United States Of America	29 Jun 2018	16/024116	US-2019-0201084	
END8545USNP3	United States Of America	29 Jun 2018	16/024149	US-2019-0201085	
END8545USNP4	United States Of America	29 Jun 2018	16/024180	US-2019-0201086	
END8546USPSP	United States Of America	28 Jun 2018	62/691257		
END8546USNP	United States Of America	29 Jun 2018	16/024245	US2019-0201593A1	10755813
END8546USNP1	United States Of America	29 Jun 2018	16/024258	US2019-0201087A1	
END8547USPSP	United States Of America	28 Jun 2018	62/691262		
END8547USNP	United States Of America	29 Jun 2018	16/024265	US-2019-0201088-A1	10898622
END8548USPSP	United States Of America	28 Jun 2018	62/691251		
END8548USNP	United States Of America	29 Jun 2018	16/024273	US-2019-0201597-A1	
END8549USPSP	United States Of America	06 Dec 2017	62/595284		
END8550USNP	United States Of America	25 May 2018	15/989424	US 2019-0357962	
END8551USNP	United States Of America	25 May 2018	15/989430	US 2019-0357969	10966781
END8551USCNT1	United States Of America	03 Mar 2021	17/190500		
END8552USNP	United States Of America	25 May 2018	15/989433	US-2019-0357963-A1	

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	

END8553USNP	United States Of America	25 May 2018	15/989438	US 2019-0357964	10898259
END8553USCNT1	United States Of America	06 Jan 2021	17/142306		
END8554USNP	United States Of America	25 May 2018	15/989442	US-2019-0357965-A1	10856931
END8555USNP	United States Of America	25 May 2018	15/989448	US 2019-0357966	
END8556USNP	United States Of America	25 May 2018	15/989452	US-2019-0357967-A1	
END8557USNP	United States Of America	25 May 2018	15/989455	US-2019-0357968-A1	
END8558USPSP	United States Of America	30 Jun 2018	62/692768		
END8558USNP1	United States Of America	04 Dec 2018	16/209453	US-2019-0201046-A1	
END8559USPSP	United States Of America	30 Jun 2018	62/692748		
END8560USPSP	United States Of America	08 Mar 2018	62/640417		
END8561USPSP	United States Of America	23 Aug 2018	62/721996		
END8562USNP	United States Of America	18 May 2018	15/983407	US2019-0350579A1	10849614
END8563USPSP	United States Of America	23 Aug 2018	62/721995		
END8563USNP3	United States Of America	28 Aug 2018	16/115232	US-2019-0201038-A1	
END8563USNP4	United States Of America	28 Aug 2018	16/115239	US-2019-0201042-A1	
END8563USCNT1	United States Of America	21 Dec 2020	17/128552		
END8563USCNT2	United States Of America	21 Dec 2020	17/128561		
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		
END8567USNP	United States Of America	26 Oct 2018	16/172328	US-2019-0125459	
END8567USNP1	United States Of America	24 Aug 2018	16/112129	US-2019-0125431	
END8567USNP2	United States Of America	24 Aug 2018	16/112155	US-2019-0125335-A1	
END8567USNP3	United States Of America	24 Aug 2018	16/112168	US-2019-0125336-A1	
END8567USNP4	United States Of America	24 Aug 2018	16/112180	US-2019-0125432	
END8567USNP5	United States Of America	24 Aug 2018	16/112193	US-2019-0125337-A1	10932806
END8568USPSP	United States Of America	01 May 2018	62/665139		
END8568USNP	United States Of America	26 Oct 2018	16/172280	US-2019-0125458-A1	
END8568USNP1	United States Of America	24 Aug 2018	16/112099	US-2019-0125378	
END8568USNP2	United States Of America	24 Aug 2018	16/112112	US-2019-0125320	
END8568USNP3	United States Of America	24 Aug 2018	16/112119	US-2019-0125338	
END8569USNP	United States Of America	26 Oct 2018	16/172219	US 2019-0125456	
END8569USNP4	United States Of America	24 Aug 2018	16/112117	US-2019-015476-A1	
END8569USNP1	United States Of America	24 Aug 2018	16/112097	US 2019-0125377	
END8569USNP2	United States Of America	24 Aug 2018	16/112109	US 2019-0125388	
END8569USNP3	United States Of America	24 Aug 2018	16/112114	US-2019-0142449-A1	
END8569USPSP	United States Of America	01 May 2018	62/665177		
END8570USNP	United States Of America	26 Oct 2018	16/172248	US-2019-0125457	
END8570USNP1	United States Of America	24 Aug 2018	16/112095	US-2019-0125387	
END8570USNP2	United States Of America	24 Aug 2018	16/112121	US-2019-0125389	
END8570USNP3	United States Of America	24 Aug 2018	16/112151	US-2019-0125390-A1	10772651
END8570USNP4	United States Of America	24 Aug 2018	16/112154	US-2019-0125321-A1	
END8570USNP5	United States Of America	24 Aug 2018	16/112226	US-2019-0125379	
END8570USPSP	United States Of America	01 May 2018	62/665128		
END8571USPSP	United States Of America	01 May 2018	62/665192		
END8571USNP2	United States Of America	24 Aug 2018	16/112098	US-2019-0125430	
END8571USNP	United States Of America	26 Oct 2018	16/172198	US-2019-0125455-A1	
END8571USNP1	United States Of America	24 Aug 2018	16/112062	US-2019-0125386	
END8572USPSP	United States Of America	01 May 2018	62/665134		
END8572USNP	United States Of America	26 Oct 2018	16/172155	US-2019-0125454	
END8572USNP1	United States Of America	24 Aug 2018	16/112237	US-2019-0125347	
END8572USNP2	United States Of America	24 Aug 2018	16/112245	US-2019-0125352	
END8572USNP3	United States Of America	24 Aug 2018	16/112249	US-2019-0125353	
END8572USNP4	United States Of America	24 Aug 2018	16/112253	US-2019-0125348-A1	
END8572USNP5	United States Of America	24 Aug 2018	16/112257	US-2019-0125354-A1	
END8573USPSP	United States Of America	30 Jun 2018	62/692747		
END8574USNP	United States Of America	20 Jun 2018	16/012896	US-2019-0388088-A1	10856864
END8575USNP	United States Of America	15 May 2018	15/979707	US2019-0350584A1	
END8576USNP	United States Of America	12 Jul 2018	16/033253	US-2020-0015881	
END8577USNP	United States Of America	20 Aug 2018	16/105101	US-2020-0054323	
END8577USNP2	United States Of America	20 Aug 2018	16/105183	US 2020-0054327	10912559
END8578USNP	United States Of America	16 Jul 2018	16/035872	US-2020-0015815-A1	10973515
END8579USNP	United States Of America	20 Aug 2018	16/105150	US 2020-0054326	
END8580USNP	United States Of America	20 Aug 2018	16/105098	US 2020-0054322	
END8581USNP	United States Of America	20 Aug 2018	16/105122	US 2020-0054324	
END8581USDP	United States Of America	20 Aug 2018	29/660252		D914878

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	

END8582USNP	United States Of America	20 Aug 2018	16/105140	US 2020-0054325	10779821
END8583USNP	United States Of America	20 Aug 2018	16/105081	US 2020-0054320	
END8584USNP	United States Of America	20 Aug 2018	16/105094	US 2020-0054321	
END8585USNP	United States Of America	20 Aug 2018	16/105097	US-2020-0054328	
END8586USNP	United States Of America	20 Aug 2018	16/105104	US-2020-0054329-A1	10842492
END8587USNP	United States Of America	20 Aug 2018	16/105119	US-2020-0054330-A1	
END8588USNP	United States Of America	20 Aug 2018	16/105160	US-2020-0054331-A1	10856870
END8589USPSP	United States Of America	27 Dec 2018	62/785415		
END8593USNP	United States Of America	16 Jul 2018	16/035803	US-2020-0015811	10786252
END8594USNP	United States Of America	16 Jul 2018	16/035821	US-2020-0015812-A1	
END8595USNP	United States Of America	16 Jul 2018	16/035825	US-2020-0015813	
END8596USNP	United States Of America	16 Jul 2018	16/035831	US-2020-0015814-A1	10912558
END8597USNP	United States Of America	16 Jul 2018	16/035834	US-2020-0015817	10912561
END8599USNP1	United States Of America	15 Jun 2018	16/009591	US-2019-0380742	10820924
END8599USDIV1	United States Of America	26 Oct 2020	17/079637	US 2021-0038258	
END8600USNP	United States Of America	04 May 2018	15/971258	US 2019-0336199	
END8602USNP	United States Of America	19 Jun 2018	16/012287	US-2019-0380735-A1	10925630
END8602USCNT1	United States Of America	04 Feb 2021	17/167621		
END8603USDP	United States Of America	08 Mar 2019	29/682821		D916283
END8604USDP	United States Of America	16 May 2018	29/647853		D905242
END8604USDP1	United States Of America	16 May 2018	29/647858		D893718
END8604USDP2	United States Of America	16 May 2018	29/647860		D893719
END8604USDP3	United States Of America	16 May 2018	29/647864		D896962
END8604USDP4	United States Of America	16 May 2018	29/647870		D893720
END8604USDP5	United States Of America	16 May 2018	29/647871		D893721
END8605USNP	United States Of America	11 Sep 2018	16/128179	US-2020-0015923-A1	
END8605USNP1	United States Of America	11 Sep 2018	16/128191	US-2020-0015904-A1	
END8606USNP	United States Of America	11 Sep 2018	16/128180	US-2020-0015900-A1	
END8606USNP1	United States Of America	11 Sep 2018	16/128198	US-2020-0015668-A1	
END8606USNP2	United States Of America	11 Sep 2018	16/128207	US-2020-0015925-A1	
END8607USNP1	United States Of America	11 Sep 2018	16/128187	US-2020-0015903-A1	
END8607USNP	United States Of America	11 Sep 2018	16/128176	US-2020-0015899-A1	
END8607USNP2	United States Of America	11 Sep 2018	16/128192	US-2020-0015905-A1	10792034
END8608USNP	United States Of America	11 Sep 2018	16/128163	US-2020-0015897-A1	
END8609USNP	United States Of America	11 Sep 2018	16/128197	US-2020-0015924-A1	
END8610USNP	United States Of America	11 Sep 2018	16/128164	US-2020-0015898-A1	
END8611USNP	United States Of America	11 Sep 2018	16/128193	US-2020-0015906-A1	
END8612USNP	United States Of America	11 Sep 2018	16/128195	US-2020-0015907	
END8613USNP	United States Of America	11 Sep 2018	16/128170	US-2020-0015806-A1	10925598
END8613USNP1	United States Of America	11 Sep 2018	16/128183	US-2020-0015901-A1	
END8614USNP	United States Of America	11 Sep 2018	16/128172	US-2020-0015914	
END8615USNP	United States Of America	11 Sep 2018	16/128185	US-2020-0015902	
END8616USNP	United States Of America	31 Dec 2018	16/236682	US2020-0206805A1	
END8617USNP	United States Of America	31 Dec 2018	16/236688	US2020-0205813A1	
END8618USNP	United States Of America	31 Dec 2018	16/236714	US2020-0205816A1	
END8619USNP	United States Of America	31 Dec 2018	16/236676	US2020-0205812A1	
END8619USCNT1	United States Of America	22 Jan 2021	17/155808		
END8619USDIV1	United States Of America	22 Jan 2021	17/155824		
END8620USNP	United States Of America	31 Dec 2018	16/236696	US2020-0205814A1	
END8621USNP	United States Of America	31 Dec 2018	16/236700		
END8621USCNT1	United States Of America	22 Jan 2021	17/155799		
END8622USNP	United States Of America	31 Dec 2018	16/236703	US2020-0205815A1	
END8623USNP	United States Of America	13 Aug 2018	16/102164	US 2020/0046350	10898187
END8623USCIP1	United States Of America	19 Oct 2018	16/165587	US 2020-0046351	
END8623USCNT1	United States Of America	05 Nov 2020	17/090382		
END8624USNP	United States Of America	11 Oct 2018	16/157599	US 2020-0113561	
END8625USNP	United States Of America	11 Oct 2018	16/157605	US 2020-0113562	10905419
END8625USCNT1	United States Of America	22 Dec 2020	17/130728		
END8626USNP	United States Of America	13 Aug 2018	16/102170	US-2020-0046353-A1	
END8627USNP	United States Of America	15 Oct 2018	16/159848	US 2020-0113565	
END8628USNP	United States Of America	15 Oct 2018	16/159851	US 2020-0113566	
END8629USNP	United States Of America	15 Oct 2018	16/159854	US-2020-0113567-A1	
END8634USNP	United States Of America	28 Dec 2018	16/235473	US-2020-0205820-A1	
END8635USNP	United States Of America	28 Dec 2018	16/235488	US-2020-0205821-A1	
END8636USNP	United States Of America	28 Dec 2018	16/235503	US2020-0205822A1	
END8637USNP	United States Of America	28 Dec 2018	16/235522	US-2020-0205823-A1	
END8638USNP	United States Of America	28 Dec 2018	16/235541	US2020-0205824A1	
END8639USDP	United States Of America	28 Dec 2018	29/675168		D901686

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	9005116
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	

END8639USDPD1	United States Of America	04 Nov 2020	29/757241		
END8640USDP	United States Of America	28 Dec 2018	29/675170		
END8641USDP	United States Of America	28 Dec 2018	29/675172		
END8646USNP1	United States Of America	07 Nov 2018	16/182819	US2020-0139621A1	
END8649USNP1	United States Of America	07 Nov 2018	16/182831	US-2020-0138582-A1	
END8650USNP1	United States Of America	17 Dec 2018	16/221813	US-2020-0188081-A1	
END8651USNP1	United States Of America	17 Dec 2018	16/221678	US-2020-0188079-A1	
END8652USNP1	United States Of America	17 Dec 2018	16/221722	US-2020-0188080-A1	
END9001USNP1	United States Of America	13 Dec 2018	16/219050	US-2020-0188045-A1	
END9009USNP1	United States Of America	25 Mar 2019	16/363062	US-2020-0305869-A1	
END9012USNP1	United States Of America	06 Nov 2018	16/182224		
END9012USNP4	United States Of America	06 Nov 2018	16/182239		
END9012USNP5	United States Of America	06 Nov 2018	16/182243	US-2019-0206542-A1	
END9012USNP6	United States Of America	06 Nov 2018	16/182248	US-2019-0206216-A1	10943454
END9012USNP7	United States Of America	06 Nov 2018	16/182251	US-2019-0201125-A1	
END9012USNP8	United States Of America	06 Nov 2018	16/182260		
END9012USCNT1	United States Of America	05 Mar 2021	17/193773		
END9015USPSP1	United States Of America	30 Nov 2018	62/773728		
END9019USNP1	United States Of America	06 Nov 2018	16/182232	US-2019-0201158-A1	
END9021USNP3	United States Of America	21 Feb 2019	16/281685	US-2019-0298341-A1	
END9021USNP4	United States Of America	21 Feb 2019	16/281693	US-2019-0298342-A1	
END9021USNP6	United States Of America	21 Feb 2019	16/281707	US-2019-0298347-A1	
END9022USNP1	United States Of America	21 Feb 2019	16/281660	US-2019-0298351-A1	10973520
END9022USNP3	United States Of America	21 Feb 2019	16/281672	US-2019-0298353-A1	
END9024USNP1	United States Of America	26 Oct 2018	16/172303	US 2019-0125361	
END9025USNP1	United States Of America	26 Oct 2018	16/172066	US-2019-0125355	
END9025USNP4	United States Of America	26 Oct 2018	16/172094	US-2019-0125357-A1	
END9025USNP5	United States Of America	26 Oct 2018	16/172128	US 2019-0159778	
END9025USNP6	United States Of America	26 Oct 2018	16/172130	US-2019-0125358	
END9030USPSP1	United States Of America	12 Dec 2018	62/778573		
END9030USNP2	United States Of America	14 Dec 2018	16/220280	US-2019-0201024-A1	
END9031USDP2	United States Of America	13 Aug 2018	29/659845		D904612
END9031USDP3	United States Of America	13 Aug 2018	29/659847		D904613
END9031USDPD1	United States Of America	25 Jan 2021	29/767674		
END9032USNP1	United States Of America	06 Nov 2018	16/182227	US-2019-0207857-A1	10892995
END9032USCNT1	United States Of America	17 Jul 2020	16/931712	US2021-0000555A1	
END9032USCNT2	United States Of America	11 Dec 2020	17/119652		
END9034USNP1	United States Of America	06 Nov 2018	16/182229	US-2019-0200996-A1	
END9034USNP3	United States Of America	06 Nov 2018	16/182240	US-2019-0201034-A1	
END9035USNP2	United States Of America	06 Nov 2018	16/182238	US-2019-0201080-A1	
END9037USNP1	United States Of America	31 Oct 2018	16/176163	US-2020-0129283-A1	
END9038USNP4	United States Of America	05 Sep 2019	16/562159	US-2020-0314569-A1	
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END9042USNP1	United States Of America	17 Dec 2018	16/222195	US-2020-0187949-A1	10842496
END9042USCNT1	United States Of America	20 Nov 2020	16/953541	US-2021-0068839-A1	
END9044USDP1	United States Of America	15 Nov 2018	29/670366		D888951
END9044USDCO1	United States Of America	23 Jun 2020	29/739126		
END9047USNP1	United States Of America	04 Apr 2019	16/375454	US2020-0315688A1	
END9052USNP1	United States Of America	15 Mar 2019	16/354417	US-2020-0289219-A1	
END9052USNP2	United States Of America	15 Mar 2019	16/354420	US-2020-0289228-A1	
END9053USNP1	United States Of America	15 Mar 2019	16/354440	US-2020-0289220-A1	
END9053USNP2	United States Of America	15 Mar 2019	16/354444	US-2020-0289205-A1	
END9053USNP3	United States Of America	15 Mar 2019	16/354454	US-2020-0289221-A1	
END9053USNP4	United States Of America	15 Mar 2019	16/354461	US-2020-0289222-A1	
END9054USNP1	United States Of America	15 Mar 2019	16/354470	US-2020-0289223-A1	
END9055USNP1	United States Of America	15 Mar 2019	16/354474	US 2020-0289229	
END9055USNP2	United States Of America	15 Mar 2019	16/354478	US-2020-0289230-A1	
END9055USNP3	United States Of America	15 Mar 2019	16/354481	US-2020-0289217-A1	
END9058USNP1	United States Of America	28 Aug 2019	16/553725	US-2021-0059777-A1	
END9059USNP1	United States Of America	28 Aug 2019	16/554135	US-2021-0059773-A1	
END9062USNP1	United States Of America	08 Apr 2019	16/377806	US-2020-0315728-A1	
END9064USNP1	United States Of America	27 Mar 2019	16/366036	US-2020-0305994-A1	
END9069USNP7	United States Of America	05 Sep 2019	16/562243	US 2020-0078120	
END9070USNP1	United States Of America	05 Sep 2019	16/562125	US2020-0100825A1	
END9070USNP4	United States Of America	05 Sep 2019	16/562148	US-2020-0078077	
END9070USNP6	United States Of America	05 Sep 2019	16/562162	US-2020-0305924-A1	
END9070USNP9	United States Of America	05 Sep 2019	16/562172	US-2020-0078113-A1	
END9073USNP1	United States Of America	28 Dec 2018	16/235670	US-2020-0205827-A1	10905424

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 2011	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

END9074USNP1	United States Of America	27 Dec 2018	16/234175	US-2019-0191978-A1	
END9075USNP1	United States Of America	28 Dec 2018	16/235681	US2020-0205807A1	
END9076USNP1	United States Of America	27 Dec 2018	16/234222	US-2019-0191974-A1	
END9078USNP1	United States Of America	27 Dec 2018	16/234311	US-2019-0197712-A1	
END9079USNP1	United States Of America	27 Dec 2018	16/234332	US-2019-0191976-A1	
END9080USDP1	United States Of America	28 Dec 2018	29/675197		D903115
END9080USDPD1	United States Of America	18 Nov 2020	29/758749		
END9083USNP1	United States Of America	28 Dec 2018	16/234740	US2020-0205811	
END9084USDP1	United States Of America	28 Dec 2018	29/675045		
END9084USDPD1	United States Of America	26 Feb 2021	29/771993		
END9085USDP1	United States Of America	28 Dec 2018	29/675047		
END9085USDPD1	United States Of America	05 Feb 2021	29/769459		
END9091USNP1	United States Of America	26 Sep 2019	16/583690	US-2020-0281596	
END9091USNP2	United States Of America	26 Sep 2019	16/583376	US-2020-0281592	
END9092USNP1	United States Of America	13 May 2019	16/409957	US-2020-0360014	
END9093USNP1	United States Of America	13 May 2019	16/410006	US-2020-0360015	
END9094USNP1	United States Of America	27 Dec 2018	16/234360		
END9099USNP1	United States Of America	30 Apr 2019	16/398616	US-2020-0345389-A1	
END9100USNP1	United States Of America	30 Apr 2019	16/398447	US-2020-0345880-A1	
END9101USNP1	United States Of America	30 Apr 2019	16/398621	US-2020-0345390-A1	
END9102USNP1	United States Of America	30 Apr 2019	16/398632	US-2020-0345391-A1	
END9103USNP1	United States Of America	30 Dec 2019	16/729559	US-20200237370	
END9103USNP2	United States Of America	30 Dec 2019	16/729557	US-2020-0237369	
END9103USNP3	United States Of America	30 Dec 2019	16/729553	US-2020-0237368	
END9104USNP1	United States Of America	28 May 2019	16/423841	US2020-0375596A1	
END9105USNP1	United States Of America	27 Jun 2019	16/454702	US-2020-0405403	
END9106USNP1	United States Of America	27 Jun 2019	16/454710	US2020-0405425A1	
END9107USNP1	United States Of America	27 Jun 2019	16/454715	US-2020-0405404	
END9108USNP1	United States Of America	27 Jun 2019	16/454740	US-2020-0405415-A1	
END9108USNP2	United States Of America	27 Jun 2019	16/454757	US 2020-0405406	
END9108USNP3	United States Of America	27 Jun 2019	16/454780	US 2020-0405408	
END9109USNP1	United States Of America	27 Jun 2019	16/454707	US-2020-0405375	
END9109USNP2	United States Of America	27 Jun 2019	16/454726	US-2020-0405414	
END9109USNP3	United States Of America	27 Jun 2019	16/454737	US-2020-0405405	
END9112USNP1	United States Of America	27 Jun 2019	16/454727	US2020-0405401A1	
END9112USNP2	United States Of America	27 Jun 2019	16/454741	US-2020-0405416-A1	
END9119USPSP1	United States Of America	28 Jun 2019	62/868457		
END9120USNP1	United States Of America	30 Jun 2019	16/458109	US-2020-0405312	
END9121USNP1	United States Of America	30 Jun 2019	16/458119	US-2020-0405314-A1	
END9122USNP1	United States Of America	30 Jun 2019	16/458115	US-2020-0405313	
END9123USNP1	United States Of America	30 Jun 2019	16/458105	US2020-0405302A1	
END9124USNP1	United States Of America	30 Jun 2019	16/458110	US2020-0405297A1	
END9125USNP1	United States Of America	30 Jun 2019	16/458120	US-2020-0405303-A1	
END9126USNP1	United States Of America	30 Jun 2019	16/458125	US-2020-0405441-A1	
END9127USNP1	United States Of America	30 Jun 2019	16/458103	US2020-0405296A1	
END9130USNP1	United States Of America	18 Sep 2019	16/574281	US2021-0077110A1	
END9131USNP1	United States Of America	30 Jun 2019	16/458117	US-2020-0405439	
END9132USNP1	United States Of America	30 Jun 2019	16/458121	US-2020-0405440-A1	
END9135USNP1	United States Of America	28 Jun 2019	16/456798	US2020-0405291A1	
END9139USNP1	United States Of America	28 Jun 2019	16/456744	US2020-0405305A1	
END9140USNP1	United States Of America	28 Jun 2019	16/456765	US-2020-0405309-A1	
END9142USNP1	United States Of America	18 Sep 2019	16/574299	US2021-0077093A1	
END9145USNP1	United States Of America	30 Jun 2019	16/458104	US-2020-0405301-A1	
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END9146USNP1	United States Of America	30 Jun 2019	16/458108	US2020-0405436A1	
END9147USNP1	United States Of America	30 Jun 2019	16/458111	US-2020-0405437-A1	
END9148USNP1	United States Of America	30 Jun 2019	16/458114	US-2020-0405438-A1	
END9149USNP1	United States Of America	30 Jun 2019	16/458122	US-2020-0410177-A1	
END9150USNP1	United States Of America	30 Jun 2019	16/458106	US-2020-0405316-A1	
END9151USNP1	United States Of America	30 Jun 2019	16/458112	US-2020-0405409-A1	
END9153USNP1	United States Of America	30 Jun 2019	16/458118	US-2020-0405410-A1	
END9159USNP1	United States Of America	21 Aug 2019	16/547217	US-2021-0052332-A1	
END9160USNP1	United States Of America	23 Aug 2019	16/549175	US-2021-0052333-A1	
END9161USNP1	United States Of America	23 Aug 2019	16/549183	US-2021-0052334-A1	
END9164USNP2	United States Of America	30 Aug 2019	16/556667	US-2021-0059710	
END9165USNP1	United States Of America	30 Aug 2019	16/556625	US-2021-0059707	
END9166USNP1	United States Of America	30 Aug 2019	16/556635	US-2021-0059708	
END9169USPSP1	United States Of America	30 Apr 2019	62/840715		

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

END9169USNP1	United States Of America	11 Apr 2020	16/846303	US-2020-0345353-A1	
END9169USNP2	United States Of America	11 Apr 2020	16/846304	US-2020-0345354-A1	
END9169USNP3	United States Of America	11 Apr 2020	16/846305	US-2020-0345446-A1	
END9169USNP4	United States Of America	11 Apr 2020	16/846307	US-2020-0345349-A1	
END9169USNP5	United States Of America	11 Apr 2020	16/846308	US-2020-0345355-A1	
END9169USNP6	United States Of America	11 Apr 2020	16/846309	US-2020-0345356-A1	
END9169USNP7	United States Of America	11 Apr 2020	16/846310	US2020-0345357A1	
END9169USNP8	United States Of America	11 Apr 2020	16/846311	US2020-0345358A1	
END9169USNP9	United States Of America	11 Apr 2020	16/846312	US2020-0345359A1	
END9169USNP10	United States Of America	11 Apr 2020	16/846313	US2020-0345360A1	
END9170USNP1	United States Of America	26 Jun 2019	16/453273	US-2020-0261080-A1	
END9170USNP2	United States Of America	26 Jun 2019	16/453283	US-2020-0261081	
END9170USNP4	United States Of America	26 Jun 2019	16/453302	US-2020-0261075	
END9170USNP8	United States Of America	26 Jun 2019	16/453343	US-20200261085	
END9170USNP10	United States Of America	26 Jun 2019	16/453369	US-2020-0261076-A1	
END9171USDP1	United States Of America	01 May 2019	29/689708		
END9180USPSP1	United States Of America	20 Jun 2019	62/864181		
END9180USNP1	United States Of America	24 Oct 2019	16/663246	US2020-0404128A1	
END9180USNP2	United States Of America	24 Oct 2019	16/663259	US2020-0397222A1	
END9180USNP4	United States Of America	24 Oct 2019	16/663264	US2020-0404130A1	
END9180USNP5	United States Of America	24 Oct 2019	16/663267	US2020-0397302A1	
END9180USNP6	United States Of America	24 Oct 2019	16/663270	US2020-0404131A1	
END9181USPSP1	United States Of America	20 Jun 2019	62/864194		
END9181USNP1	United States Of America	04 Nov 2019	16/673800	US2020-0397236A1	
END9181USNP2	United States Of America	04 Nov 2019	16/673809		10841504
END9181USNP3	United States Of America	04 Nov 2019	16/673815	US2020-0404140A1	10979646
END9181USNP4	United States Of America	04 Nov 2019	16/673821	US2020-0397240A1	
END9181USNP5	United States Of America	04 Nov 2019	16/673824	US2020-0397241A1	
END9181USNP6	United States Of America	04 Nov 2019	16/673829	US2020-0397295A1	10952619
END9181USNP7	United States Of America	16 Nov 2020	17/099657		
END9181USCNT1	United States Of America	17 Feb 2021	17/177811		
END9182USNP1	United States Of America	26 Nov 2019	16/696921	US-2020-0400498-A1	
END9182USNP2	United States Of America	26 Nov 2019	16/696946	US-2020-0404151-A1	
END9182USNP3	United States Of America	26 Nov 2019	16/696956	US-2020-0404152-A1	
END9182USNP4	United States Of America	26 Nov 2019	16/696972	US-2020-0400823-A1	
END9182USNP5	United States Of America	26 Nov 2019	16/697007	US-2020-0400936-A1	
END9182USNP6	United States Of America	26 Nov 2019	16/697014	US-2020-0400824-A1	
END9183USPSP1	United States Of America	20 Jun 2019	62/864213		
END9184USPSP1	United States Of America	20 Jun 2019	62/864218		
END9184USNP1	United States Of America	07 Jan 2020	16/735925	US2020-0400571A1	
END9184USNP2	United States Of America	07 Jan 2020	16/735929	US2020-0404201A1	
END9184USNP3	United States Of America	07 Jan 2020	16/735932	US2020-0404202A1	
END9184USNP4	United States Of America	07 Jan 2020	16/735936	US2020-0400825A1	
END9184USNP6	United States Of America	07 Jan 2020	16/735943	US2020-0400826A1	
END9184USCNT1	United States Of America	17 Dec 2020	17/125831		
END9185USPSP1	United States Of America	20 Jun 2019	62/864223		
END9185USNP1	United States Of America	15 Jan 2020	16/743266	US2020-0397300A1	
END9185USNP2	United States Of America	15 Jan 2020	16/743270	US2020-0397296A1	
END9185USNP3	United States Of America	15 Jan 2020	16/743273	US2020-0397297A1	
END9185USNP4	United States Of America	15 Jan 2020	16/743283	US2020-0400795A1	
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END9185USNP6	United States Of America	15 Jan 2020	16/743297	US2020-0397298A1	
END9186USPSP1	United States Of America	20 Jun 2019	62/864227		
END9186USNP1	United States Of America	21 Jan 2020	16/748497	US2020-0403624A1	
END9186USNP2	United States Of America	21 Jan 2020	16/748506	US2020-0400573A1	
END9186USNP3	United States Of America	21 Jan 2020	16/748514	US2020-0400574A1	
END9186USNP5	United States Of America	21 Jan 2020	16/748537	US2020-0404169A1	
END9186USNP6	United States Of America	21 Jan 2020	16/748540	US2020-0404170A1	
END9187USNP1	United States Of America	28 Jan 2020	16/775106	US2020-0400499A1	
END9187USNP2	United States Of America	28 Jan 2020	16/775108	US2020-0400500A1	
END9187USNP3	United States Of America	28 Jan 2020	16/775115	US2020-0397242A1	
END9187USNP4	United States Of America	28 Jan 2020	16/775128	US2020-0400501A1	
END9187USNP5	United States Of America	28 Jan 2020	16/775134	US2020-0404171A1	
END9187USNP6	United States Of America	28 Jan 2020	16/775143	US2020-0400828A1	
END9188USPSP1	United States Of America	20 Jun 2019	62/864234		
END9188USNP1	United States Of America	29 Jan 2020	16/776246	US2020-0400829A1	
END9188USNP2	United States Of America	29 Jan 2020	16/776263	US2020-0397243A1	
END9188USNP3	United States Of America	29 Jan 2020	16/776264	US2020-0397244A1	

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
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END6840USCIP2	United States Of America	08 Feb 2013	13/763192	US-2013-0146642-A1	9615826
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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	

END9188USNP4	United States Of America	29 Jan 2020	16/776268	US2020-0400830A1	
END9188USNP5	United States Of America	29 Jan 2020	16/776275	US2020-0397245A1	
END9188USNP6	United States Of America	29 Jan 2020	16/776280	US2020-0397246A1	
END9189USNP3	United States Of America	21 Feb 2020	16/797781	US-2020-0404142	
END9189USNP4	United States Of America	21 Feb 2020	16/797788	US-2020-0400831-A1	
END9189USNP5	United States Of America	21 Feb 2020	16/797792	US-2020-0404143	
END9189USNP6	United States Of America	21 Feb 2020	16/797799	US-2020-0400832-A1	
END9190USPSP1	United States Of America	20 Jun 2019	62/864242		
END9190USNP1	United States Of America	24 Feb 2020	16/799144	US-2020-0404150	
END9190USNP2	United States Of America	24 Feb 2020	16/799173	US-2020-0397267	
END9190USNP3	United States Of America	24 Feb 2020	16/799181	US-2020-0397247	
END9190USNP4	United States Of America	24 Feb 2020	16/799187	US-2020-0397248	
END9190USNP5	United States Of America	24 Feb 2020	16/799202	US-2020-0397249	
END9190USNP6	United States Of America	24 Feb 2020	16/799212	US-2020-0404144	
END9191USNP1	United States Of America	03 Mar 2020	16/807785	US-2020-0402228	
END9191USNP2	United States Of America	03 Mar 2020	16/807790	US-2020-0397250	
END9191USNP3	United States Of America	03 Mar 2020	16/807798	US-2020-0397251	
END9191USNP5	United States Of America	03 Mar 2020	16/807812	US-2020-0397252	
END9191USNP6	United States Of America	03 Mar 2020	16/807816	US-2020-0397253	
END9192USNP1	United States Of America	06 Mar 2020	16/811999	US-2020-0397275	
END9192USNP2	United States Of America	06 Mar 2020	16/812009	US-2020-0397254	
END9192USNP3	United States Of America	06 Mar 2020	16/812013	US-2020-0397276	
END9192USNP4	United States Of America	06 Mar 2020	16/812015	US-2020-0404145	
END9192USNP5	United States Of America	06 Mar 2020	16/812022	US-2020-0404146	
END9192USNP6	United States Of America	06 Mar 2020	16/812028	US-2020-0397277	
END9193USNP1	United States Of America	17 Mar 2020	16/821712	US-2020-0400502	
END9193USNP2	United States Of America	17 Mar 2020	16/821730		
END9193USNP3	United States Of America	17 Mar 2020	16/821742	US-2020-0397255	
END9193USNP4	United States Of America	17 Mar 2020	16/821750	US-2020-0397256	
END9193USNP5	United States Of America	17 Mar 2020	16/821768	US-2020-0397257	
END9193USNP6	United States Of America	17 Mar 2020	16/821780	US-2020-0397258	
END9195USPSP1	United States Of America	20 Jun 2019	62/864281		
END9195USNP1	United States Of America	27 Apr 2020	16/859809	US-2020-0397265	
END9195USNP2	United States Of America	27 Apr 2020	16/859816	US-2020-0397260	
END9195USNP3	United States Of America	27 Apr 2020	16/859824	US-2020-0397270	
END9195USNP4	United States Of America	27 Apr 2020	16/859828	US-2020-0397261	
END9195USNP5	United States Of America	27 Apr 2020	16/859830	US-2020-0397262	
END9195USNP6	United States Of America	27 Apr 2020	16/859832	US-2020-0397271	
END9198USPSP1	United States Of America	05 Nov 2019	62/930638		
END9198USNP1	United States Of America	23 Sep 2020	17/029713		
END9201USNP1	United States Of America	19 Dec 2019	16/720781		
END9202USNP1	United States Of America	19 Dec 2019	16/720789		
END9203USNP3	United States Of America	19 Dec 2019	16/720740		
END9203USNP5	United States Of America	19 Dec 2019	16/720806		
END9204USNP1	United States Of America	19 Dec 2019	16/720731		
END9204USNP2	United States Of America	19 Dec 2019	16/720735		
END9204USNP4	United States Of America	19 Dec 2019	16/720751		
END9204USNP5	United States Of America	19 Dec 2019	16/720769		
END9205USNP1	United States Of America	19 Dec 2019	16/720730		
END9211USPSP1	United States Of America	09 Jul 2019	62/871963		
END9211USNP1	United States Of America	06 Jul 2020	16/920989	US-2021-0007828-A1	
END9212USDP1	United States Of America	05 Sep 2019	29/704610		
END9213USDP1	United States Of America	05 Sep 2019	29/704614		
END9214USDP1	United States Of America	05 Sep 2019	29/704616		
END9219USNP1	United States Of America	30 Dec 2019	16/729778		
END9219USCNT1	United States Of America	29 Mar 2021	17/215212		
END9220USNP1	United States Of America	30 Dec 2019	16/729729		
END9221USNP1	United States Of America	30 Dec 2019	16/729735		
END9222USNP1	United States Of America	30 Dec 2019	16/729751		
END9223USNP1	United States Of America	30 Dec 2019	16/729740		
END9224USNP1	United States Of America	30 Dec 2019	16/729737		
END9225USNP1	United States Of America	30 Dec 2019	16/729796		
END9227USNP1	United States Of America	30 Dec 2019	16/729803		
END9230USDP1	United States Of America	04 Nov 2019	29/711841		
END9230USDP3	United States Of America	04 Nov 2019	29/711875		
END9230USDP4	United States Of America	04 Nov 2019	29/711880		
END9231USDP1	United States Of America	01 May 2020	29/733358		
END9231USDP2	United States Of America	01 May 2020	29/733361		

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-2013-0214030-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	

END9231USDP3	United States Of America	01 May 2020	29/733362		
END9231USDP4	United States Of America	01 May 2020	29/733370		
END9232USPSP1	United States Of America	30 Dec 2019	62/955294		
END9232USNP1	United States Of America	29 May 2020	16/887499		
END9233USPSP1	United States Of America	30 Dec 2019	62/955292		
END9233USNP1	United States Of America	29 May 2020	16/887493		
END9233USNP2	United States Of America	29 May 2020	16/887506		
END9233USNP3	United States Of America	29 May 2020	16/887515		
END9233USNP4	United States Of America	29 May 2020	16/887519		
END9233USNP5	United States Of America	29 May 2020	16/887532		
END9233USNP6	United States Of America	29 May 2020	16/887554		
END9233USNP7	United States Of America	29 May 2020	16/887561		
END9233USNP8	United States Of America	29 May 2020	16/887568		
END9233USNP9	United States Of America	29 May 2020	16/887576		
END9233USNP11	United States Of America	18 Nov 2020	16/951259		
END9234USPSP1	United States Of America	30 Dec 2019	62/955299		
END9234USNP1	United States Of America	28 May 2020	16/885813		
END9234USNP4	United States Of America	28 May 2020	16/885826		
END9234USNP5	United States Of America	28 May 2020	16/885838		
END9234USNP6	United States Of America	28 May 2020	16/885851		
END9234USNP7	United States Of America	28 May 2020	16/885860		
END9234USNP8	United States Of America	28 May 2020	16/885866		
END9234USNP10	United States Of America	28 May 2020	16/885873		
END9234USNP11	United States Of America	28 May 2020	16/885879		
END9234USNP12	United States Of America	28 May 2020	16/885881		
END9234USNP16	United States Of America	28 May 2020	16/885917		
END9234USNP17	United States Of America	28 May 2020	16/885923		
END9235USNP1	United States Of America	08 Jun 2020	16/895264		
END9235USNP2	United States Of America	08 Jun 2020	16/895273		
END9235USNP3	United States Of America	08 Jun 2020	16/895276		
END9235USNP4	United States Of America	08 Jun 2020	16/895284		
END9235USNP5	United States Of America	08 Jun 2020	16/895291		
END9235USNP6	United States Of America	08 Jun 2020	16/895298		
END9235USNP8	United States Of America	08 Jun 2020	16/895312		
END9235USNP9	United States Of America	08 Jun 2020	16/895315		
END9236USPSP3	United States Of America	20 Jul 2020	63/053863		
END9236USNP1	United States Of America	01 Sep 2020	17/009740		
END9236USNP2	United States Of America	01 Sep 2020	17/009742		
END9236USNP3	United States Of America	01 Sep 2020	17/009743		
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END9236USNP5	United States Of America	01 Sep 2020	17/009745		
END9236USNP6	United States Of America	01 Sep 2020	17/009746		
END9236USNP7	United States Of America	01 Sep 2020	17/009748		
END9236USNP8	United States Of America	01 Sep 2020	17/009750		
END9236USNP9	United States Of America	01 Sep 2020	17/009755		
END9236USNP10	United States Of America	01 Sep 2020	17/009766		
END9236USNP11	United States Of America	01 Sep 2020	17/009768		
END9236USNP12	United States Of America	01 Sep 2020	17/009769		
END9236USDP1	United States Of America	01 Sep 2020	29/748933		
END9237USNP1	United States Of America	25 Nov 2020	17/104413		
END9238USNP1	United States Of America	25 Nov 2020	17/104436		
END9239USNP1	United States Of America	25 Nov 2020	17/104463		
END9240USNP1	United States Of America	25 Nov 2020	17/104473		
END9241USNP1	United States Of America	25 Nov 2020	17/104488		
END9243USDP1	United States Of America	02 Jun 2020	29/736648		
END9243USDP2	United States Of America	02 Jun 2020	29/736649		
END9243USDP3	United States Of America	02 Jun 2020	29/736651		
END9243USDP4	United States Of America	02 Jun 2020	29/736652		
END9247USPSP8	United States Of America	01 May 2020	63/018555		
END9247USPSP9	United States Of America	01 May 2020	63/018558		
END9247USPSP10	United States Of America	01 May 2020	63/018660		
END9247USPSP11	United States Of America	01 May 2020	63/018664		
END9249USNP1	United States Of America	13 Oct 2020	17/068857		
END9250USNP1	United States Of America	13 Oct 2020	17/068858		
END9251USNP1	United States Of America	13 Oct 2020	17/068859		
END9252USNP1	United States Of America	13 Oct 2020	17/068863		
END9253USNP1	United States Of America	13 Oct 2020	17/068865		
END9254USNP1	United States Of America	13 Oct 2020	17/068867		

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		

END9255USNP1	United States Of America	10 Nov 2020	17/093704		
END9257USNP1	United States Of America	29 May 2020	16/886919		
END9258USNP1	United States Of America	29 May 2020	16/886920		
END9261USNP1	United States Of America	16 Jul 2020	16/930613		
END9264USNP1	United States Of America	30 Jun 2020	16/916295		
END9265USNP1	United States Of America	29 May 2020	16/886924		
END9266USNP1	United States Of America	17 Jun 2020	16/903678		
END9273USNP1	United States Of America	29 Oct 2020	17/084206		
END9274USNP1	United States Of America	29 Oct 2020	17/084215		
END9275USNP1	United States Of America	29 Oct 2020	17/084229		
END9279USNP1	United States Of America	29 Oct 2020	17/084188		
END9280USNP1	United States Of America	29 Oct 2020	17/084193		
END9281USDP1	United States Of America	01 May 2020	29/733354		
END9282USDP1	United States Of America	01 May 2020	29/733356		
END9284USPSP1	United States Of America	17 Apr 2020	63/011556		
END9286USNP4	United States Of America	16 Sep 2020	17/022414		
END9287USNP1	United States Of America	02 Oct 2020	17/062504		
END9287USNP2	United States Of America	02 Oct 2020	17/062521		
END9287USNP3	United States Of America	05 Oct 2020	17/062522		
END9287USNP4	United States Of America	05 Oct 2020	17/062523		
END9287USNP5	United States Of America	02 Oct 2020	17/062511		
END9287USNP6	United States Of America	05 Oct 2020	17/062524		
END9287USNP7	United States Of America	02 Oct 2020	17/062501		
END9287USNP8	United States Of America	02 Oct 2020	17/062502		
END9287USNP9	United States Of America	02 Oct 2020	17/062499		
END9287USNP10	United States Of America	02 Oct 2020	17/062496		
END9287USNP11	United States Of America	02 Oct 2020	17/062525		
END9287USNP12	United States Of America	02 Oct 2020	17/062526		
END9287USNP13	United States Of America	02 Oct 2020	17/062530		
END9287USNP14	United States Of America	02 Oct 2020	17/062512		
END9287USNP15	United States Of America	02 Oct 2020	17/062508		
END9287USNP16	United States Of America	02 Oct 2020	17/062509		
END9287USNP17	United States Of America	02 Oct 2020	17/062507		
END9288USNP1	United States Of America	02 Oct 2020	17/062513		
END9288USNP2	United States Of America	02 Oct 2020	17/062517		
END9288USNP3	United States Of America	02 Oct 2020	17/062520		
END9288USNP4	United States Of America	05 Oct 2020	17/062519		
END9288USNP5	United States Of America	02 Oct 2020	17/062516		
END9289USPSP1	United States Of America	13 Oct 2020	63/090749		
END9290USNP1	United States Of America	22 Jan 2021	17/156287		
END9290USNP2	United States Of America	22 Jan 2021	17/156296		
END9290USNP3	United States Of America	22 Jan 2021	17/156300		
END9290USNP4	United States Of America	22 Jan 2021	17/156304		
END9290USNP5	United States Of America	22 Jan 2021	17/156266		
END9290USNP6	United States Of America	22 Jan 2021	17/156318		
END9290USNP7	United States Of America	22 Jan 2021	17/156309		
END9290USNP8	United States Of America	22 Jan 2021	17/156306		
END9290USNP9	United States Of America	22 Jan 2021	17/156321		
END9290USNP10	United States Of America	22 Jan 2021	17/156281		
END9290USNP11	United States Of America	22 Jan 2021	17/156272		
END9290USNP12	United States Of America	22 Jan 2021	17/156279		
END9290USNP13	United States Of America	22 Jan 2021	17/156284		
END9290USNP14	United States Of America	22 Jan 2021	17/156282		
END9290USNP15	United States Of America	22 Jan 2021	17/156269		
END9290USNP16	United States Of America	22 Jan 2021	17/156286		
END9290USNP17	United States Of America	22 Jan 2021	17/156324		
END9290USNP18	United States Of America	22 Jan 2021	17/156329		
END9290USNP19	United States Of America	22 Jan 2021	17/156289		
END9290USNP20	United States Of America	22 Jan 2021	17/156293		
END9290USNP21	United States Of America	22 Jan 2021	17/156298		
END9290USNP22	United States Of America	22 Jan 2021	17/156274		
END9290USNP23	United States Of America	22 Jan 2021	17/156278		
END9291USNP1	United States Of America	02 Dec 2020	17/109589		
END9291USNP2	United States Of America	02 Dec 2020	17/109595		
END9291USNP3	United States Of America	02 Dec 2020	17/109598		
END9291USNP4	United States Of America	02 Dec 2020	17/109615		
END9291USNP5	United States Of America	02 Dec 2020	17/109627		
END9291USNP6	United States Of America	02 Dec 2020	17/109636		

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
END6907USNP1	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

END9291USNP7	United States Of America	02 Dec 2020	17/109645		
END9291USNP8	United States Of America	02 Dec 2020	17/109648		
END9291USNP9	United States Of America	02 Dec 2020	17/109651		
END9291USNP10	United States Of America	02 Dec 2020	17/109656		
END9291USNP11	United States Of America	02 Dec 2020	17/109667		
END9291USNP12	United States Of America	02 Dec 2020	17/109669		
END9292USNP1	United States Of America	10 Dec 2020	17/117166		
END9293USPSP1	United States Of America	10 Jul 2020	63/050304		
END9294USNP1	United States Of America	29 Dec 2020	17/136137		
END9294USNP2	United States Of America	29 Dec 2020	17/136139		
END9294USNP3	United States Of America	29 Dec 2020	17/136141		
END9294USNP4	United States Of America	29 Dec 2020	17/136145		
END9294USNP5	United States Of America	31 Dec 2020	17/136154		
END9294USNP6	United States Of America	29 Dec 2020	17/136158		
END9295USNP1	United States Of America	26 Feb 2021	17/186269		
END9295USNP2	United States Of America	26 Feb 2021	17/186273		
END9295USNP3	United States Of America	26 Feb 2021	17/186276		
END9295USNP6	United States Of America	26 Feb 2021	17/186350		
END9295USNP7	United States Of America	26 Feb 2021	17/186353		
END9295USNP8	United States Of America	26 Feb 2021	17/186357		
END9295USNP9	United States Of America	26 Feb 2021	17/186364		
END9295USNP10	United States Of America	26 Feb 2021	17/186373		
END9295USNP11	United States Of America	26 Feb 2021	17/186378		
END9295USNP12	United States Of America	26 Feb 2021	17/186407		
END9295USNP13	United States Of America	26 Feb 2021	17/186421		
END9296USNP1	United States Of America	04 Nov 2020	17/088941		
END9296USNP2	United States Of America	04 Nov 2020	17/088953		
END9296USNP3	United States Of America	04 Nov 2020	17/088961		
END9296USNP4	United States Of America	04 Nov 2020	17/088971		
END9296USNP5	United States Of America	04 Nov 2020	17/088982		
END9296USDP1	United States Of America	04 Nov 2020	29/757203		
END9296USDP2	United States Of America	04 Nov 2020	29/757204		
END9299USNP1	United States Of America	30 Dec 2020	17/137829		
END9300USNP1	United States Of America	30 Dec 2020	17/137846		
END9301USNP1	United States Of America	30 Dec 2020	17/137852		
END9302USNP1	United States Of America	21 Dec 2020	17/128792		
END9303USNP1	United States Of America	21 Dec 2020	17/129013		
END9304USNP1	United States Of America	21 Dec 2020	17/128275		
END9306USNP1	United States Of America	30 Dec 2020	17/137857		
END9313USNP11	United States Of America	30 Mar 2021	17/217578		
END9313USNP12	United States Of America	30 Mar 2021	17/217680		
END9313USNP13	United States Of America	30 Mar 2021	17/217736		
END9313USNP14	United States Of America	30 Mar 2021	17/217784		
END9314USNP1	United States Of America	30 Mar 2021	17/217394		
END9314USNP2	United States Of America	30 Mar 2021	17/217402		
END9314USNP3	United States Of America	30 Mar 2021	17/217436		
END9314USNP4	United States Of America	30 Mar 2021	17/217446		
END9318USNP1	United States Of America	30 Mar 2021	17/217405		
END9318USNP2	United States Of America	30 Mar 2021	17/217423		
END9318USNP3	United States Of America	30 Mar 2021	17/217429		
END9318USNP4	United States Of America	30 Mar 2021	17/217449		
END9318USNP5	United States Of America	30 Mar 2021	17/217461		
ETH1690USNP3	United States Of America	26 Dec 2012	13/727340	US2013-0264226A1	10245025
ETH5449USNP	United States Of America	09 Nov 2009	12/614665		
ETH5449USCIP1	United States Of America	18 Aug 2010	12/858485	US-2011-0112566-A1	9332982
ETH5450USCNT2	United States Of America	25 Apr 2018	15/962483	US-2018-0235606-A1	10939907
ETH5450USNP	United States Of America	09 Nov 2009	12/614669		
ETH5450USCIP2	United States Of America	18 Aug 2010	12/858489	US-2011-0111116-A1	9221075
ETH5450USCIP1	United States Of America	18 Aug 2010	12/858481	US-2011-0112565-A1	9259219
ETH5450USDIV2	United States Of America	08 Mar 2013	13/790073	US-2013-0189422	9034415
ETH5450USDIV1	United States Of America	08 Mar 2013	13/790063	US-2013-0209664-A1	9266145
ETH5450USCNT1	United States Of America	12 Feb 2016	15/042752	US-2016-0157859	10004494
ETH5450USCNT3	United States Of America	30 Sep 2020	17/038903	US-2021-0007735	
ETH5611USNP	United States Of America	15 Mar 2013	13/833690	US-2013-0315963-A1	10675376
ETH5611USPSP	United States Of America	24 May 2012	61/651353		
ETH5611USDIV1	United States Of America	02 Mar 2015	14/635170	US-2015-0174287-A1	9737629
ETH5611USDIV2	United States Of America	02 Mar 2015	14/635215	US-2015-0174288-A1	9737630
ETH5613USPSP	United States Of America	10 Nov 2010	61/412120		

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	

ETH5613USNP	United States Of America	04 Aug 2011	13/197972	US-2012-0115384-A1	
ETH5613USDIV1	United States Of America	06 Mar 2017	15/450706	US-2017-0172805	10111782
ETH5635USNP	United States Of America	11 May 2012	13/470022		8518055
ETH5635USCIP1	United States Of America	19 Dec 2012	13/720198	US-2013-0303845	10575716
ETH5635USCNT1	United States Of America	31 May 2013	13/906596	US-2013-0304092	9119629
ETH5635USCNT2	United States Of America	05 Feb 2019	16/268084	US-2019-0208996-A1	
ETH5637USNP	United States Of America	22 Sep 2011	13/240447	US-2013-0074297-A1	8661632
ETH5639USNP	United States Of America	11 May 2012	13/470065	US-2013-0304091	9364228
ETH5641USNP	United States Of America	29 Sep 2011	13/248542	US-2013-0085525-A1	
ETH5641USCIP1	United States Of America	17 Sep 2012	13/621625	US-2014-0081321-A1	
ETH5641USCNT1	United States Of America	22 Nov 2016	15/358440	US-2017-0079646-A1	10582926
ETH5641USCNT2	United States Of America	28 Jun 2019	16/455860	US-2019-0321038	
ETH5698USDIV1	United States Of America	13 Jun 2012	13/495550	US-2012-0248648-A1	8460338
ETH5755USDP	United States Of America	05 Mar 2013	29/447564		D698021
ETH5756USDP	United States Of America	05 Mar 2013	29/447570		D717431
ETH5757USDP	United States Of America	05 Mar 2013	29/447579		D707820
ETH5778USNP	United States Of America	04 Nov 2013	14/071310	US-2015-0122681-A1	9265578
ETH5788USPSP	United States Of America	27 Nov 2013	61/909419		
ETH5788USNP	United States Of America	20 Nov 2014	14/548536	US-2015-0148496-A1	10058637
ETH5793USPSP	United States Of America	21 Oct 2014	62/066597		
ETH5793USCIP1	United States Of America	14 Dec 2015	14/967814	US2016-0106411	9533446
ETH5793USPCT1	United States Of America	09 Dec 2016	16/066531	US-2020-0285448	
ETH5793USNP	United States Of America	20 Oct 2015	14/887496	US2016-0106422	10213197
ETH5805USNP	United States Of America	29 Jun 2017	15/636709	US2018-0014827A1	10206675
ETH5811USDPD1	United States Of America	22 May 2018	29/648487		D854171
ETH5811USDP	United States Of America	25 Sep 2014	29/503320		D824525
ETH5811USCIP1	United States Of America	24 Sep 2015	14/864033	US2016-0089145	
ETH5811USDCO1	United States Of America	02 Feb 2018	29/635782		
ETH5811USCNT1	United States Of America	18 Apr 2019	16/387634	US-2019-0240074	
ETH5811USDPD2	United States Of America	13 May 2019	29/690950		
ETH5828USNP	United States Of America	19 May 2015	14/715951	US-2016-0338698	10004499
ETH5828USDP	United States Of America	19 May 2015	29/527395		D765246
ETH5832USNP	United States Of America	08 Sep 2016	15/259227	US-2017-0119514	10588731
ETH5832USDIV1	United States Of America	12 Dec 2019	16/712472	US-2020-0222164	
ETH5832USCNT1	United States Of America	12 Dec 2019	16/712512	US-2020-0113665	
ETH5842USNP	United States Of America	03 Sep 2015	14/844210	US-2017-0065270-A1	10188379
ETH5847USNP	United States Of America	08 Sep 2016	15/259273	US-2017-0119515	
ETH5867USNP	United States Of America	21 Sep 2016	15/271639	US-2018-0078354	10610345
ETH5875USDP1	United States Of America	26 Feb 2018	29/638248		D893714
ETH5894USNP	United States Of America	27 Sep 2016	15/277470	US-2018-0085125	10390834
ETH5910USNP	United States Of America	28 Jun 2019	16/455952	US-2020-0405300	
ETH5918USDP	United States Of America	10 Aug 2017	29/613509		D867581
ETH5918USDPD1	United States Of America	11 Jul 2019	29/697840		D879952
ETH5936USDIV1	United States Of America	05 Mar 2018	15/911955	US-2019-0269819	
ETH5938USDP	United States Of America	23 Mar 2018	29/641624		D848845
ETH6040USDP1	United States Of America	13 Aug 2019	29/701592		D912251
ETH6041USNP1	United States Of America	13 Sep 2019	16/570017		
ETH6043USDP1	United States Of America	13 Sep 2019	29/705604		D903855
ETH6043USDP2	United States Of America	13 Sep 2019	29/705606		D904603
ETH6046USPSP1	United States Of America	07 Aug 2019	62/883764		
ETH6056USNP1	United States Of America	05 Nov 2019	16/674168		
ETH6101USPSP1	United States Of America	19 Feb 2021	63/151253		
VRB5003USNP1	United States Of America	16 Oct 2017	15/785341	US-2018-0333215	10792119
VRB5003USCNT1	United States Of America	15 Sep 2020	17/021860		