

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT7227984

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ETHICON LLC	04/05/2021
RECEIVING PARTY DATA		
Name:	CILAG GMBH INTERNATIONAL	
Street Address:	GUBELSTRASSE 34	
City:	ZUG	
State/Country:	SWITZERLAND	
Postal Code:	6300	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	17558837
CORRESPONDENCE DATA		
Fax Number:	(412)355-6501	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	4123558276	
Email:	piuspatents@klgates.com	
Correspondent Name:	CARA M. PINTO	
Address Line 1:	210 SIXTH AVENUE	
Address Line 2:	K&L GATES CENTER	
Address Line 4:	PITTSBURGH, PENNSYLVANIA 15222-2613	
ATTORNEY DOCKET NUMBER:	END7795USCNT1/150509CON1	
NAME OF SUBMITTER:	CARA M. PINTO	
SIGNATURE:	/Cara M. Pinto/	
DATE SIGNED:	03/16/2022	
Total Attachments: 33		
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PATENT ASSIGNMENT FOR DOMESTIC PATENTS

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

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

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

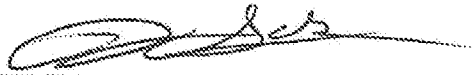
NOW, THEREFORE, for good and valuable consideration, as recited in the Distribution Agreement, the receipt and sufficiency of which are hereby acknowledged, effective as of 10:00 am Eastern Daylight Time on April 5, 2021 (the "**Effective Date**"), Assignor hereby assigns, sells, transfers and sets over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

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

[Signature Page Follows]

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

ETHICON LLC

By: 

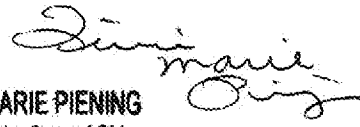
Name: Dean Garner
Title: Assistant Secretary

WITNESSED BY:

Name: Tricia Marie Piening
Address: 4545 Creek Rd., Cincinnati, OH 45242
Nationality: US

In the presence of a Notary Public who certifies that the above signatory is authorized to execute this assignment alone and on behalf of ETHICON LLC in order to legally bind ETHICON LLC




TRICIA MARIE PIENING
Notary Public, State of Ohio
My Commission Expires 03-23-2024

CILAG GMBH INTERNATIONAL

By: 

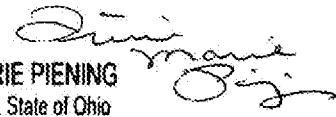
Name: Victor Moreno
Title: Authorized Representative

WITNESSED BY:

Name: Tricia Marie Piening
Address: 4545 Creek Rd., Cincinnati, OH 45242
Nationality: US

In the presence of a Notary Public who certifies that the above signatory is authorized to execute this assignment alone and on behalf of CILAG GMBH INTERNATIONAL in order to legally bind CILAG GMBH INTERNATIONAL




TRICIA MARIE PIENING
Notary Public, State of Ohio
My Commission Expires 03-23-2024

SCHEDULE A

Case reference	Country	Filing Date	Filing Number	Publication Number	Grant Number
AUR6176USNP1	United States Of America	05 Apr 2021	17/222977		
AUR6191USNP2	United States Of America	20 Jan 2021	17/153239		
END0906USCNT1	United States Of America	16 Mar 2006	11/377816	US-2007-0010838-A1	
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SCHEDULE A

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SCHEDULE A

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SCHEDULE A

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END7105USCNT1	United States Of America	22 Dec 2014	14/578909	US-2015-0108199	10441285
END7117USCNT1	United States Of America	08 Jun 2015	14/733638	US-2015-0265335-A1	9788888
END7117USNP	United States Of America	03 Jul 2012	13/540850	US-2014-0012247	9078662
END7118USCNT1	United States Of America	04 Aug 2017	15/669371	US2018-0042661A1	10342598
END7118USDIV1	United States Of America	18 Feb 2016	15/046917	US-2016-0166311	9788885
END7118USNP	United States Of America	15 Aug 2012	13/586422	US-2014-0052126-A1	9277957
END7126USCNT1	United States Of America	02 Nov 2015	14/929971	US-2016-0120563	9700343
END7126USDIV1	United States Of America	09 Sep 2016	15/260882	US-2016-0374709	10517627
END7126USNP	United States Of America	15 Mar 2013	13/839014	US-2013-0282003	9237921
END7126USNP1	United States Of America	15 Mar 2013	13/839093	US-2013-0267975-A1	9439668
END7126USNP2	United States Of America	15 Mar 2013	13/839242	US-2013-0289591	9241731
END7126USNP3	United States Of America	15 Mar 2013	13/839351	US-2013-0285758	9226766
END7126USNP4	United States Of America	15 Mar 2013	13/839470	US-2013-0296908-A1	9724118
END7126USPSP	United States Of America	09 Apr 2012	61/621876		
END7130USNP	United States Of America	01 May 2013	13/874640	US2013-0296843A1	
END7130USPSP	United States Of America	02 May 2012	61/641443		
END7141USCNT1	United States Of America	19 Sep 2016	15/269154	US-2017-0000485	10413294
END7141USCNT2	United States Of America	08 Dec 2016	15/373014	US-2017-0135695-A1	10420555
END7143USCNT2	United States Of America	29 Jul 2016	15/223849	US-2016-0331375	10383630
END7146USNP	United States Of America	28 Jun 2012	13/536386	US-2014-0005695-A1	9282974
END7147USCNT1	United States Of America	22 Dec 2015	14/978169	US-2016-0105431	10874391

SCHEDULE A

END7156USCNT1	United States Of America	31 Oct 2016	15/338594	US-2017-0042544-A1	10856875
END7160USCNT2	United States Of America	19 Sep 2016	15/268705	US2017-0000489A1	10537330
END7160USCNT3	United States Of America	19 Sep 2016	15/268709	US2017-0000490A1	10548603
END7160USCNT5	United States Of America	19 Sep 2016	15/268740	US-2017-0000492	10492789
END7172USNP	United States Of America	22 Nov 2013	14/087383	US-2015-0148830	10368892
END7196USCNT1	United States Of America	18 Mar 2016	15/074296	US-2016-0270780	10575868
END7206USCNT1	United States Of America	07 Jul 2016	15/204101	US-2016-0310209	10206738
END7215USCNT1	United States Of America	13 Jun 2016	15/180455		10238381
END7257USNP	United States Of America	14 Mar 2013	13/803148	US-2014-0263554-A1	10470762
END7279USNP3	United States Of America	09 Apr 2014	14/248588	US-2014-0309666-A1	10405857
END7297USCNT3	United States Of America	20 Sep 2016	15/270538	US-2017-0007246	10441281
END7303USNP	United States Of America	23 Aug 2013	13/974182	US-2015-0053742	10624634
END7309USCNT2	United States Of America	07 May 2021	17/314677		
END7324USDP	United States Of America	18 Sep 2013	29/467319		D724732
END7327USCNT1	United States Of America	07 Oct 2016	15/288773	US2017-0020549A1	10335180
END7353USNP	United States Of America	08 Nov 2013	14/075438	US-2015-0133996-A1	10456129
END7363USCIP1	United States Of America	20 Jun 2014	14/310420	US-2015-0272660-A1	10463421
END7383USNP	United States Of America	10 Jun 2014	14/300807	US-2015-0351762-A1	10390828
END7385USNP	United States Of America	28 Mar 2014	14/229033		10524852
END7404USNP2	United States Of America	16 Apr 2015	14/688684	US-2015-0320437	10258363
END7430USNP	United States Of America	25 Jun 2014	14/314164	US -2015-0374361	10456132
END7444USCNT2	United States Of America	11 May 2021	17/316922		
END7447USNP	United States Of America	08 Dec 2014	14/563091	US2016-0157927A1	10639092
END7453USNP	United States Of America	22 Dec 2014	14/579623	US-2016-0175031	10111699
END7454USNP	United States Of America	17 Apr 2015	14/689972	US-2016-0302844-A1	10130410
END7455USNP	United States Of America	07 Apr 2015	14/680765	US-2016-0296268	10314638
END7456USNP	United States Of America	22 Dec 2014	14/579599	US-2016-0175030	10092348
END7458USNP	United States Of America	01 Jul 2015	14/789744	US2017-0000513A1	10154852
END7459USNP	United States Of America	07 Mar 2016	15/062577	US-2016-0262786-A1	
END7459USPSP	United States Of America	10 Mar 2015	62/130892		
END7468USNP	United States Of America	30 Jun 2014	14/319013	US-2015-0297233	
END7468USPSP	United States Of America	16 Apr 2014	61/980282		
END7472USNP	United States Of America	02 Sep 2014	14/474607	US2016-0058444	10004500
END7473USDIV1	United States Of America	28 Nov 2017	15/824611	US-2018-0078259-A1	10206680
END7473USNP	United States Of America	02 Sep 2014	14/474805	US2016-0058448	9877722
END7474USNP	United States Of America	02 Sep 2014	14/474846	US2016-0058449	10004496
END7479USNP	United States Of America	25 Nov 2014	14/553329	US-2016-0143658-A1	10004529
END7481USNP	United States Of America	10 Dec 2014	14/565606	US-2016-0166256	10736636
END7482USCNT1	United States Of America	14 Sep 2018	16/131148	US-2019-0083095-A1	
END7482USCNT4	United States Of America	19 Aug 2019	16/544045	US 2019-0365384	
END7482USNP	United States Of America	18 Sep 2014	14/489746	US-2016-0081690-A1	10105142
END7483USCNT1	United States Of America	30 Apr 2018	15/964427	US 2018-0310933	11026682
END7483USNP	United States Of America	15 Oct 2014	14/514417	US-2016-0106424-A1	9974539
END7484USNP	United States Of America	15 Oct 2014	14/514426	US-2016-0106425-A1	9833239
END7485USCNT1	United States Of America	05 Mar 2019	16/293186	US 2019-0223865	
END7485USCNT3	United States Of America	16 Sep 2020	17/022862	US2021-0068817A1	

SCHEDULE A

END7485USNP	United States Of America	18 Dec 2014	14/575130	US-2016-0174972	10245027
END7486USNP	United States Of America	18 Dec 2014	14/575143	US-2016-0174983	10004501
END7487USDIV1	United States Of America	16 Dec 2019	16/727160	US-2020-0222047-A1	
END7487USNP	United States Of America	29 Oct 2014	14/527384	US-2016-0120544	10517594
END7488USNP	United States Of America	29 Oct 2014	14/527398	US-2016-0120545	
END7489USNP	United States Of America	18 Dec 2014	14/575117	US-2016-0174975	9943309
END7490USNP	United States Of America	06 Nov 2014	14/535081	US-2016-0128694	9844376
END7491USNP	United States Of America	18 Dec 2014	14/575154	US2016-0174973A1	9968355
END7492USNP	United States Of America	18 Dec 2014	14/574493	US2016-0174970A1	9987000
END7493USCNT1	United States Of America	31 Dec 2014	14/587192	US-2016-0106427	10052104
END7493USNP	United States Of America	16 Oct 2014	14/516277	US2016-0106426	9924944
END7494USNP	United States Of America	18 Dec 2014	14/574500	US-2016-0174971-A1	10117649
END7495USCNT2	United States Of America	09 Jul 2019	16/506030	US-2019-0380706-A1	
END7495USNP	United States Of America	02 Sep 2014	14/475144	US2016-0058441	9788835
END7503USCNT1	United States Of America	23 Jul 2015	14/807261	US-2016-0089149	10426477
END7503USCNT2	United States Of America	11 Jan 2017	15/403400	US-2017-0119397	10751053
END7503USCNT3	United States Of America	30 Jun 2020	16/916888	US-2020-0390444-A1	
END7503USNP	United States Of America	26 Sep 2014	14/498070	US-2016-0089146	10426476
END7504USNP	United States Of America	26 Sep 2014	14/498087	US-2016-0089147	10206677
END7505USNP	United States Of America	26 Sep 2014	14/498105	US-2016-00891148	9801628
END7506USCNT1	United States Of America	23 Dec 2014	14/580508	US-2015-0297236	10327776
END7506USCNT2	United States Of America	28 Dec 2017	15/856307	US-2018-0206844-A1	
END7506USNP	United States Of America	26 Sep 2014	14/498107	US-2016-0089143	9943310
END7507USNP	United States Of America	26 Sep 2014	14/498121	US-2016-0089141	9801627
END7508USCNT1	United States Of America	14 May 2019	16/411411	US 2019-0328390	
END7508USNP	United States Of America	26 Sep 2014	14/498145	US-2016-0089142	10327764
END7511USNP	United States Of America	19 Dec 2014	14/576431		9888942
END7512USNP	United States Of America	24 Mar 2015	14/666475	US-2016-0278848-A1	10595929
END7516USDIV1	United States Of America	22 Aug 2018	16/108132	US-2018-0369549	10960201
END7516USNP	United States Of America	29 Dec 2014	14/584046	US-2016-0184568	10092738
END7517USDIV1	United States Of America	22 Aug 2018	16/108730	US-2018-0361138	10207102
END7517USNP	United States Of America	29 Dec 2014	14/584066	US-2016-0184574	10080884
END7518USCNT1	United States Of America	29 Mar 2019	16/368954	US-2019-0290938-A1	
END7518USNP	United States Of America	11 Dec 2015	14/966260	US2016-0175001A1	10327796
END7518USPSP	United States Of America	19 Dec 2014	62/094244		
END7519USNP	United States Of America	17 Mar 2015	14/660620	US2016-0270840A1	10321950
END7519USNP1	United States Of America	17 Mar 2015	14/660627	US2016-0270841A1	10342602
END7520USNP	United States Of America	06 Feb 2015	14/616267	US2016-0228171A1	10245095
END7521USNP	United States Of America	25 Aug 2014	14/468037	US-2016-0051317	10194976
END7522USNP	United States Of America	25 Aug 2014	14/467883	US-2016-0051315	9877776
END7529USNP	United States Of America	19 Dec 2014	14/577183	US2016-0175027A1	10117706
END7530USNP	United States Of America	19 Dec 2014	14/576372	US2016-0175050A1	10357311
END7531USNP	United States Of America	15 Dec 2014	14/569961	US-2016-0166315	10076379
END7532USNP	United States Of America	19 Dec 2014	14/576860	US2016-0175022A1	9993284
END7533USNP	United States Of America	30 Mar 2015	14/673155	US-2016-0287316-A1	10813684
END7534USNP	United States Of America	15 Jun 2015	14/739792	US-2016-0361084	10034684

SCHEDULE A

END7538USDIV1	United States Of America	11 Jun 2018	16/005241	US2018-0289369A1	
END7538USNP	United States Of America	06 Mar 2015	14/640837	US-2016-0256163-A1	9993248
END7539USNP	United States Of America	27 Feb 2015	14/633562	US-2016-0249917	10159483
END7540USNP	United States Of America	06 Mar 2015	14/640844		10045776
END7541USNP	United States Of America	27 Feb 2015	14/633526	US-2016-0249945-A1	9993258
END7542USNP	United States Of America	27 Feb 2015	14/633576	US-2016-0249919	10045779
END7543USNP	United States Of America	27 Feb 2015	14/633566	US-2016-0249918	10182816
END7544USCNT1	United States Of America	25 Feb 2019	16/284690	US-2019-0261991-A1	
END7544USCNT3	United States Of America	23 Mar 2021	17/209961		
END7544USNP	United States Of America	27 Feb 2015	14/633541	US2016-0249927A1	10226250
END7546USNP	United States Of America	06 Mar 2015	14/640765	US2016-0256160A1	10617412
END7547USNP	United States Of America	27 Feb 2015	14/633546	US-2016-0249915	10180463
END7548USCNT1	United States Of America	01 Apr 2019	16/371619	US-2020-0029964	
END7548USNP	United States Of America	06 Mar 2015	14/640780	US2016-0256161A1	10245033
END7549USNP	United States Of America	06 Mar 2015	14/640831	US-2016-0256153-A1	9895148
END7550USNP	United States Of America	31 Mar 2015	14/675008	US-2016-0287251	10213201
END7551USNP	United States Of America	27 Feb 2015	14/633542	US-2016-0249908-A1	9931118
END7552USNP	United States Of America	06 Mar 2015	14/640795	US-2016-0256185-A1	10441279
END7553USNP	United States Of America	27 Feb 2015	14/633548	US-2016-0249909-A1	10245028
END7554USNP	United States Of America	31 Mar 2015	14/674915	US-2016-0287253	10433844
END7555USNP	United States Of America	06 Mar 2015	14/640817	US-2016-0256186-A1	9924961
END7556USCNT5	United States Of America	30 Mar 2021	17/217636		
END7556USNP	United States Of America	06 Mar 2015	14/640746	US-2016-0256184-A1	9808246
END7557USNP	United States Of America	06 Mar 2015	14/640832	US-2016-0256154-A1	10687806
END7558USNP	United States Of America	27 Feb 2015	14/633555	US-2016-0249916	10321907
END7560USNP	United States Of America	31 Mar 2015	14/674965	US-2016-0287250-A1	10390825
END7561USNP	United States Of America	06 Mar 2015	14/640799	US2016-0256162A1	9901342
END7562USNP	United States Of America	06 Mar 2015	14/640935	US-2016-0256071-A1	10548504
END7563USNP	United States Of America	15 Oct 2014	14/515129	US-2016-0106455-A1	9907565
END7577USNP	United States Of America	25 Nov 2014	14/553142	US-2016-0143657-A1	10206705
END7578USNP	United States Of America	25 Nov 2014	14/553378	US-2016-0143659-A1	10433863
END7579USNP	United States Of America	26 Jun 2015	14/751215	US-2016-0374665-A1	10905415
END7580USCNT3	United States Of America	02 Apr 2021	17/221356		
END7580USNP	United States Of America	26 Jun 2015	14/751231	US-2016-0374666-A1	10456134
END7581USCNT1	United States Of America	06 May 2019	16/404082	US-2019-0321034	
END7581USNP	United States Of America	26 Jun 2015	14/751247	US-2016-037466-7A1	10307157
END7582USCNT1	United States Of America	13 Mar 2019	16/351926	US-2019-0290268-A1	
END7582USNP	United States Of America	26 Jun 2015	14/751277	US-2016-0374673-A1	10405855
END7583USNP	United States Of America	26 Jun 2015	14/751306	US-2016-0374681	10194911
END7584USNP	United States Of America	26 Jun 2015	14/751517	US-2016-0374671-A1	10188386
END7585USNP	United States Of America	26 Jun 2015	14/751406	US-2016-0374668-A1	10265066
END7586USNP	United States Of America	26 Jun 2015	14/751426	US-2016-0374669-A1	10271841
END7587USCNT1	United States Of America	04 Mar 2019	16/291055	US-2019-0274688-A1	
END7587USNP	United States Of America	26 Jun 2015	14/751486	US-2016-0374684-A1	10226253
END7588USNP	United States Of America	26 Jun 2015	14/751506	US-2016-0374670-A1	10271842
END7589USNP	United States Of America	17 Jun 2015	14/742504	US-2016-0367281	11020140

SCHEDULE A

END7590USNP	United States Of America	25 Mar 2015	14/667874	US2016-0278775A1	10172617
END7591USNP	United States Of America	25 Mar 2015	14/667892	US-2016-0278771	10863984
END7592USNP	United States Of America	25 Mar 2015	14/667901	US-2016-0278776	10172618
END7593USNP	United States Of America	25 Mar 2015	14/667919	US-2016-0278777	10478187
END7594USNP	United States Of America	25 Mar 2015	14/667942	US-2016-0278778	10136891
END7595USNP	United States Of America	25 Mar 2015	14/667951	US-2016-0278764	10548593
END7596USCNT1	United States Of America	03 Jan 2020	16/733785	US-2020-0214699-A1	
END7596USNP	United States Of America	25 Mar 2015	14/667961	US2016-0278765A1	10568621
END7597USNP	United States Of America	26 Jun 2015	14/751612	US-2016-0374672-A1	10478189
END7598USNP	United States Of America	25 Mar 2015	14/667842	US-2016-0278774	10349939
END7601USNP	United States Of America	13 Nov 2015	14/941094	US-2017-0135771-A1	10500739
END7605USNP	United States Of America	10 Apr 2015	14/683358	US-2016-0296271-A1	10117702
END7608USCNT1	United States Of America	18 Jul 2019	16/515392	US2020-0009299A1	
END7608USPSP	United States Of America	28 Jan 2015	62/108649		
END7609USDIV1	United States Of America	21 May 2019	16/417832	US-2019-0328388-A1	
END7609USNP	United States Of America	28 Jul 2015	14/810786	US-2017-0027567	10314580
END7610USNP	United States Of America	28 Jul 2015	14/811087	US-2017-0027568	10201348
END7611USNP	United States Of America	28 Jul 2015	14/811154	US-2017-0027569-A1	10194912
END7612USDIV1	United States Of America	06 Jun 2019	16/433173	US-2020-0008857	
END7612USNP	United States Of America	30 Jun 2015	14/788599	US-2017-0000512	10357303
END7613USNP	United States Of America	30 Jun 2015	14/788468	US-2017-0000552	10034704
END7614USCNT1	United States Of America	29 Mar 2019	16/368964	US-2019-0290316-A1	
END7614USNP	United States Of America	24 Aug 2015	14/833288	US-2017-0056050-A1	10321930
END7616USCNT1	United States Of America	23 Aug 2019	16/549821	US-2020-0078043	
END7616USNP	United States Of America	26 Aug 2015	14/836347	US-2017-0056059-A1	10507033
END7617USCNT1	United States Of America	20 Dec 2018	16/227085	US 2019-0125434	
END7617USNP	United States Of America	16 Mar 2015	14/659037	US-2016-0270839	10172670
END7618USNP	United States Of America	16 Mar 2015	14/659107	US-2016-0270807	
END7619USCNT1	United States Of America	23 Sep 2020	17/029681	US 2021-0015515	
END7619USDIV1	United States Of America	09 Nov 2018	16/185382	US-2019-0076159-A1	10806478
END7619USNP	United States Of America	16 Mar 2015	14/658944	US-2016-0270809	10159506
END7624USCNT1	United States Of America	22 Jan 2020	16/749125	US 2020-0155822	
END7624USNP	United States Of America	31 Aug 2015	14/840613	US-2017-0055986	10569071
END7625USNP	United States Of America	31 Aug 2015	14/840255	US-2017-0056566	10130738
END7632USNP	United States Of America	31 Aug 2015	14/840431	US-2017-0055992	10349938
END7634USCNT1	United States Of America	06 May 2021	17/313705		
END7634USNP	United States Of America	31 Aug 2015	14/840758	US-2017-0056009	11020116
END7635USNP	United States Of America	31 Aug 2015	14/840589	US-2017-0056568	9937283
END7640USNP	United States Of America	31 Aug 2015	14/841180	US-2017-0055990	10463366
END7643USNP	United States Of America	17 Aug 2015	14/827856	US-2017-0049444	10835249
END7644USNP	United States Of America	17 Aug 2015	14/827907	US-2017-0049447	10617418
END7645USNP	United States Of America	17 Aug 2015	14/827932	US-2017-0049448	
END7646USNP	United States Of America	30 Sep 2015	14/871036	US-2017-0086835-A1	10327777
END7647USNP	United States Of America	30 Sep 2015	14/871056	US-2017-0086836-A1	10478188
END7648USNP	United States Of America	30 Sep 2015	14/871078	US-2017-0086832-A1	10561420
END7649USNP	United States Of America	30 Sep 2015	14/871087	US-2017-0086838-A1	10980539

SCHEDULE A

END7650USNP	United States Of America	30 Sep 2015	14/871107	US-2017-0086840-A1	10172620
END7651USNP	United States Of America	30 Sep 2015	14/871057	US-2017-0086829-A1	
END7652USNP	United States Of America	30 Sep 2015	14/871071	US-2017-0086837-A1	10433846
END7653USNP	United States Of America	30 Sep 2015	14/871083	US-2017-0086827-A1	10736633
END7654USNP	United States Of America	30 Sep 2015	14/871089	US-2017-0086839-A1	10271849
END7655USNP	United States Of America	30 Sep 2015	14/871119	US-2017-0086841-A1	10285699
END7656USNP	United States Of America	30 Sep 2015	14/871131	US-2017-0086842-A1	
END7657USNP	United States Of America	30 Sep 2015	14/871153	US-2017-0086843-A1	10524788
END7658USNP	United States Of America	30 Sep 2015	14/871176	US-2017-0086844-A1	10603039
END7659USNP	United States Of America	30 Sep 2015	14/871195	US-2017-0086845-A1	10307160
END7660USNP	United States Of America	23 Sep 2015	14/862415	US-2017-0079647	10105139
END7661USCNT1	United States Of America	10 May 2019	16/409328	US 2019-0328387	
END7661USCNT3	United States Of America	26 Mar 2021	17/213545		
END7661USNP	United States Of America	23 Sep 2015	14/862421	US-2017-0079640	10327769
END7662USNP	United States Of America	23 Sep 2015	14/862427	US-2017-0079641	10085751
END7664USNP	United States Of America	23 Sep 2015	14/862439	US-2017-0079643	10363036
END7665USNP	United States Of America	23 Sep 2015	14/862455	US-2017-0079650	10076326
END7666USNP	United States Of America	23 Sep 2015	14/862465	US-2017-0079644	10238386
END7667USNP	United States Of America	30 Jul 2015	14/813242	US-2017-0027571	10194913
END7668USNP	United States Of America	30 Jul 2015	14/813259	US-2017-0027572	
END7669USNP	United States Of America	30 Jul 2015	14/813266	US-2017-0027573	10524795
END7670USNP	United States Of America	30 Jul 2015	14/813274	US-2017-0027574	10420558
END7671USNP	United States Of America	18 Jun 2015	14/742876	US-2016-0367245-A1	10178992
END7672USNP	United States Of America	18 Jun 2015	14/742885	US-2016-0367246-A1	10368861
END7673USNP	United States Of America	18 Jun 2015	14/742900	US-2016-0367254-A1	10335149
END7674USCNT1	United States Of America	12 Aug 2019	16/537856	US-2020-0054318-A1	
END7674USNP	United States Of America	18 Jun 2015	14/742914	US-2016-0367255-A1	10405863
END7675USCNT4	United States Of America	23 Apr 2020	16/856594	US2020-0315613A1	
END7675USCNT5	United States Of America	23 Apr 2020	16/856610	US-2020-0315614	
END7675USNP	United States Of America	18 Jun 2015	14/742925	US-2016-0367256-A1	10182818
END7676USNP	United States Of America	18 Jun 2015	14/742933	US-2016-0367247-A1	10154841
END7677USNP	United States Of America	18 Jun 2015	14/742941	US-2016-0367248-A1	10052102
END7678USNP	United States Of America	26 Aug 2015	14/836020	US-2017-0055996	10098642
END7679USNP	United States Of America	26 Aug 2015	14/836036	US-2017-0055997	10213203
END7680USNP	United States Of America	26 Aug 2015	14/836058	US-2017-0055998-A1	10433845
END7681USNP	United States Of America	26 Aug 2015	14/836077	US-2017-0055999	10517599
END7682USNP	United States Of America	26 Aug 2015	14/836110	US-2017-0056000	10980538
END7683USNP	United States Of America	26 Aug 2015	14/836137	US-2017-0056001	10166026
END7684USCNT1	United States Of America	10 Oct 2018	16/156161	US-2019-0105047	
END7684USNP	United States Of America	26 Aug 2015	14/836163	US-2017-0056002	
END7685USNP	United States Of America	26 Aug 2015	14/836225	US-2017-0056003-A1	10028744
END7686USNP	United States Of America	26 Aug 2015	14/836294	US-2017-0056004-A1	10188394
END7687USNP	United States Of America	26 Aug 2015	14/836324	US-2017-0056005	
END7688USNP	United States Of America	26 Aug 2015	14/836351	US-2017-0056006-A1	10470769
END7689USNP	United States Of America	26 Aug 2015	14/836375	US-2017-0056007	10390829
END7690USCNT1	United States Of America	29 Mar 2019	16/369399	US-2019-0290279	

SCHEDULE A

END7690USNP	United States Of America	02 Sep 2015	14/843168	US-2017-0056011	10314587
END7691USNP	United States Of America	02 Sep 2015	14/843196	US-2017-0056012	10172619
END7692USNP	United States Of America	02 Sep 2015	14/843216	US-2017-0056013-A1	10251648
END7693USCNT1	United States Of America	06 Jun 2019	16/433333	us-2019-0343526-a1	
END7693USCNT2	United States Of America	18 Jul 2019	16/515438	US-2020-0046355	
END7693USNP	United States Of America	02 Sep 2015	14/843243	US-2017-0056014	10357252
END7694USNP	United States Of America	02 Sep 2015	14/843267	US-2017-0056015	10238390
END7695USNP	United States Of America	29 Sep 2015	14/868718	US-2017-0086823	10182813
END7696USNP	United States Of America	29 Sep 2015	14/868747	US-2017-0086826	10314578
END7697USNP	United States Of America	24 Sep 2015	14/864310	US-2017-0086848	10485548
END7698USNP	United States Of America	24 Sep 2015	14/863928	US-2017-0086822	10499909
END7699USCNT1	United States Of America	02 Oct 2019	16/590965	US2020-0100790A1	
END7699USNP	United States Of America	24 Sep 2015	14/863999	US-2017-0086847	10492790
END7701USNP	United States Of America	24 Sep 2015	14/864050	US-2017-0086833	9987013
END7702USNP	United States Of America	17 Aug 2015	14/827601	US-2017-0049517	10136949
END7703USNP	United States Of America	26 Aug 2015	14/836270	US-2017-0056053-A1	10426506
END7704USNP	United States Of America	26 Aug 2015	14/836383	US-2017-0056054-A1	10258361
END7705USNP	United States Of America	25 Aug 2015	14/834894	US-2017-0056051-A1	10130383
END7706USNP	United States Of America	26 Aug 2015	14/836207	US-2017-0056052-A1	10413314
END7707USNP	United States Of America	26 Aug 2015	14/836437	US-2017-0056060-A1	10456157
END7708USNP	United States Of America	30 Oct 2015	14/928375	US2017-0119425A1	10028765
END7709USNP	United States Of America	16 Apr 2015	14/688234	US-2016-0302817-A1	10226274
END7710USNP	United States Of America	16 Apr 2015	14/688405	US-2016-0302840-A1	10111698
END7711USNP	United States Of America	16 Apr 2015	14/688424	US-2016-0303403-A1	10029125
END7712USNP	United States Of America	16 Apr 2015	14/688458	US-2016-0302812-A1	10034683
END7713USNP	United States Of America	16 Apr 2015	14/688497	US-2016-0302818-A1	
END7714USNP	United States Of America	16 Apr 2015	14/688542	US-2016-0302819-A1	
END7715USCNT1	United States Of America	23 May 2019	16/420372	US-2019-0321068	
END7715USNP	United States Of America	16 Apr 2015	14/688663	US-2016-0302820	10342567
END7716USNP	United States Of America	26 Aug 2015	14/836244	US-2017-0056038	
END7720USNP	United States Of America	29 Sep 2015	14/868634	US2017-0086813A1	10702257
END7722USNP	United States Of America	03 Nov 2015	14/930963	US2017-0119361A1	10912543
END7723USNP	United States Of America	26 Aug 2015	14/836235	US-2017-0055971	10342520
END7726USCNT1	United States Of America	06 May 2019	16/404196	US 2020-0030050	
END7726USNP	United States Of America	25 Sep 2015	14/865306	US-2017-0086936	10299878
END7727USNP	United States Of America	26 Aug 2015	14/836411	US-2017-0056008	10357251
END7734USNP	United States Of America	15 Jun 2015	14/739235	US-2016-0361055	10004491
END7735USNP	United States Of America	21 Oct 2015	14/918906	US-2017-0112488-A1	10172609
END7736USCNT1	United States Of America	05 Jan 2018	15/863006		10709438
END7736USNP	United States Of America	15 Jun 2015	14/739415		9883858
END7737USCNT1	United States Of America	03 Jan 2018	15/860904	US2018-0199932A1	10709437
END7737USNP	United States Of America	16 Jun 2015	14/740724	US2016-0367243A1	9888914
END7737USNP1	United States Of America	16 Jun 2015	14/740762	US2016-0367238A1	9839419
END7738USNP	United States Of America	21 Oct 2015	14/918802	US-2017-0112487-A1	10321905
END7738USNP1	United States Of America	21 Oct 2015	14/918841	US-2017-0112493-A1	10561412
END7741USNP	United States Of America	16 Jun 2015	14/740834	US2016-0367239A1	9782164

SCHEDULE A

END7742USNP	United States Of America	17 Jun 2015	14/741579		10149678
END7743USNP	United States Of America	16 Jun 2015	14/740924		9867608
END7744USNP	United States Of America	17 Jun 2015	14/741616		10327757
END7745USNP	United States Of America	27 Oct 2015	14/923748	US-2017-0112489-A1	10639027
END7746USNP	United States Of America	17 Jun 2015	14/741635	US2016-0367240A1	10070858
END7747USCNT1	United States Of America	16 Jan 2020	16/744848	US-2020-0222111-A1	
END7747USCNT2	United States Of America	16 Jan 2020	16/744900		
END7747USNP	United States Of America	09 Jun 2016	15/177430	US-2017-000541	
END7747USNP1	United States Of America	09 Jun 2016	15/177439	US-2017-0000516	
END7747USNP2	United States Of America	09 Jun 2016	15/177449	US-2017-0000553	11051873
END7747USNP3	United States Of America	09 Jun 2016	15/177456	US-2017-0000542	10898256
END7747USNP4	United States Of America	09 Jun 2016	15/177466	US-2017-0000554	10765470
END7747USPSP	United States Of America	30 Jun 2015	62/186984		
END7747USPSP1	United States Of America	30 Sep 2015	62/235466		
END7748USCNT1	United States Of America	07 Feb 2020	16/784428	US2020-0246642A1	
END7748USNP	United States Of America	17 Dec 2015	14/972920	US-2017-0172614	
END7749USNP	United States Of America	25 Nov 2015	14/951670	US-2017-0143366-A1	10639059
END7750USCNT1	United States Of America	19 Apr 2019	16/388912	US 2019-0307528	
END7750USNP	United States Of America	21 Dec 2015	14/976483	US-2017-0172700	10368957
END7751USNP	United States Of America	29 Dec 2015	14/982152		
END7754USNP	United States Of America	31 Dec 2015	14/986352	US-2017-0189096	10575892
END7755USNP	United States Of America	30 Dec 2015	14/984610	US-2017-0189101	10179022
END7756USNP	United States Of America	30 Dec 2015	14/984630	US-2017-0189102-A1	10959806
END7757USNP	United States Of America	22 Feb 2016	15/050102	US-2017-0238991	10555769
END7758USNP	United States Of America	29 Dec 2015	14/982172		
END7759USNP	United States Of America	29 Dec 2015	14/982185		
END7760USNP	United States Of America	29 Dec 2015	14/982210		
END7761USNP	United States Of America	29 Dec 2015	14/982235		
END7763USNP	United States Of America	19 May 2016	15/158769	US-2017-0333072	10543013
END7764USNP	United States Of America	30 Dec 2015	14/983634	US2017-0189093A1	10470791
END7765USNP	United States Of America	21 Dec 2015	14/976047	US-2017-0172607	10314607
END7766USCNT1	United States Of America	02 Jul 2020	16/919278	US-2020-0397462-A1	
END7766USNP	United States Of America	29 Dec 2015	14/982129	US-2017-0181765	10743901
END7768USNP	United States Of America	14 Sep 2016	15/265293	US-2017-0086910-A1	10610286
END7768USNP1	United States Of America	07 Sep 2016	15/258570	US-2017-0086908	11033322
END7768USNP2	United States Of America	07 Sep 2016	15/258578	US-2017-0086911	10687884
END7768USNP3	United States Of America	07 Sep 2016	15/258586	US-2017-0086909	
END7768USNP4	United States Of America	07 Sep 2016	15/258598	US-2017-0086876-A1	
END7768USPSP	United States Of America	30 Sep 2015	62/235368		
END7769USNP	United States Of America	14 Sep 2016	15/265279	US-2017-0086914	10624691
END7769USNP1	United States Of America	07 Sep 2016	15/258569	US-2017-0090507	10194973
END7769USNP2	United States Of America	07 Sep 2016	15/258611	US2017-0086912A1	10736685
END7769USNP3	United States Of America	07 Sep 2016	15/258650	US-2017-0086913	10751108
END7769USPSP	United States Of America	30 Sep 2015	62/235260		
END7771USCNT1	United States Of America	04 Feb 2019	16/266578	US-2019-0239915-A1	
END7771USNP	United States Of America	16 Dec 2015	14/970632	US-2017-0172605	10238413

SCHEDULE A

END7772USCNT1	United States Of America	23 Aug 2019	16/549803	US-2020-0078040	
END7772USNP	United States Of America	16 Dec 2015	14/970778	US-2017-0172606	10470790
END7773USNP	United States Of America	21 Dec 2015	14/976087	US-2017-0172608	10368894
END7774USCNT1	United States Of America	12 Aug 2019	16/538285	US-2020-0138437-A1	
END7774USNP	United States Of America	15 Apr 2016	15/130575	US-2017-0296189	10456137
END7775USCNT1	United States Of America	13 Sep 2019	16/570123	US-2020-0078015	
END7775USNP	United States Of America	15 Apr 2016	15/130582	US-2017-0296178-A1	10426467
END7776USDIV1	United States Of America	18 Oct 2019	16/657090	US-2020-0046348	
END7776USNP	United States Of America	15 Apr 2016	15/130588	US-2017-0296179-A1	10492783
END7777USNP	United States Of America	15 Apr 2016	15/130595	US-2017-0296180-A1	10405859
END7782USNP	United States Of America	15 Apr 2016	15/130566	US-2017-0296177-A1	10828028
END7783USCNT1	United States Of America	31 May 2019	16/427983	US-2020-0000468	11026684
END7783USCNT2	United States Of America	09 Jul 2019	16/506399	US-2020-0008800-A1	
END7783USNP	United States Of America	15 Apr 2016	15/130571	US-2017-0296183-A1	10357247
END7784USNP	United States Of America	15 Apr 2016	15/130581	US-2017-0296184-A1	10335145
END7785USNP	United States Of America	15 Apr 2016	15/130590	US-2017-0296213-A1	
END7786USNP	United States Of America	15 Apr 2016	15/130596	US-2017-0296169-A1	
END7787USNP	United States Of America	18 Apr 2016	15/131304	US-2017-0296171-A1	10426469
END7788USNP	United States Of America	18 Apr 2016	15/131963	US-2017-0296173	
END7789USDIV1	United States Of America	13 Jun 2019	16/440425	US2019-0290281A1	
END7789USNP	United States Of America	18 Apr 2016	15/131282	US-2017-0296190	10363037
END7790USCNT1	United States Of America	27 Sep 2019	16/585866	US2020-0138435A1	
END7790USNP	United States Of America	18 Apr 2016	15/131289	US-2017-0296191	10433840
END7791USDIV1	United States Of America	26 Sep 2019	16/583683	US-2020-0015819-A1	
END7791USNP	United States Of America	18 Apr 2016	15/131295	US-2017-0296170	10478181
END7792USNP	United States Of America	30 Dec 2015	14/984488	US-2017-0189018	10292704
END7793USNP	United States Of America	12 Feb 2016	15/043254	US-2017-0231623-A1	10258331
END7794USDIV1	United States Of America	11 Sep 2019	16/567469	US-2020-0000471	
END7794USNP	United States Of America	12 Feb 2016	15/043259	US-2017-0231626-A1	10448948
END7795USNP	United States Of America	12 Feb 2016	15/043275	US-2017-0231627-A1	
END7797USCNT1	United States Of America	10 Apr 2019	16/379865	US-2019-0298348-A1	
END7797USNP	United States Of America	30 Dec 2015	14/984525	US-2017-0189019	10368865
END7798USCNT1	United States Of America	08 Apr 2019	16/378006	US-2019-0328386-A1	
END7798USCNT2	United States Of America	23 Mar 2021	17/209794		
END7798USNP	United States Of America	30 Dec 2015	14/984552	US-2017-0189020	10265068
END7800USNP	United States Of America	13 Nov 2015	14/940424	US-2017-0135747	10709495
END7801USNP	United States Of America	13 Nov 2015	14/940439	US-2017-0135748	10064677
END7806USNP	United States Of America	29 Oct 2015	14/926027	US2017-0119386A1	10433839
END7808USNP	United States Of America	29 Oct 2015	14/926029	US2017-0119389A1	10314588
END7809USNP	United States Of America	29 Oct 2015	14/926045	US2017-0119379A1	10238388
END7810USNP	United States Of America	29 Oct 2015	14/926057	US2017-0119385A1	10517592
END7812USNP	United States Of America	29 Oct 2015	14/926072	US2017-0119390A1	10499918
END7815USNP	United States Of America	29 Oct 2015	14/926090	US2017-0119387A1	10357248
END7816USCNT8	United States Of America	14 May 2021	17/320287		
END7816USNP	United States Of America	29 Oct 2015	14/926267	US-2017-0056016-A1	10342542
END7816USNP1	United States Of America	29 Oct 2015	14/926296	US-2017-0056017-A1	10639039

SCHEDULE A

END7816USNP2	United States Of America	29 Oct 2015	14/926322	US-2017-0055980-A1	11039832
END7816USNP3	United States Of America	29 Oct 2015	14/926358	US-2017-0056018-A1	10349940
END7816USNP4	United States Of America	29 Oct 2015	14/926609	US-2017-0055982-A1	10342532
END7816USNP5	United States Of America	29 Oct 2015	14/926764	US-2017-0055981-A1	10166023
END7816USPSP	United States Of America	24 Aug 2015	62/209041		
END7817USNP	United States Of America	29 Oct 2015	14/926194	US-2017-0119380-A1	10085745
END7818USNP	United States Of America	29 Oct 2015	14/926131	US2017-0119391A1	10251649
END7820USNP	United States Of America	29 Oct 2015	14/926160	US2017-0119392A1	10441286
END7821USCNT1	United States Of America	30 Mar 2021	17/217043		
END7821USNP	United States Of America	01 Apr 2016	15/089325	US-2017-0281171	11045191
END7822USCNT1	United States Of America	16 Oct 2018	16/161763	US-2019-0183508	
END7822USNP	United States Of America	01 Apr 2016	15/089321	US-2017-0281163-A1	10271851
END7822USNP1	United States Of America	01 Apr 2016	15/089326	US-2017-0281172	10433849
END7823USNP	United States Of America	01 Apr 2016	15/089263	US-2017-0281165	10307159
END7824USNP	United States Of America	01 Apr 2016	15/089262	US-2017-0281161	10357246
END7825USNP	United States Of America	01 Apr 2016	15/089277	US-2017-0281166	10531874
END7826USNP	United States Of America	01 Apr 2016	15/089283	US-2017-0281167	10617413
END7827USNP	United States Of America	01 Apr 2016	15/089296	US-2017-0281168	10413293
END7828USNP	United States Of America	18 Apr 2016	15/131311	US-2017-0296172-A1	10368867
END7829USNP	United States Of America	01 Apr 2016	15/089258	US-2017-0281178	10342543
END7830USNP	United States Of America	01 Apr 2016	15/089278	US-2017-0281162	10420552
END7831USNP	United States Of America	01 Apr 2016	15/089284	US-2017-0281186	
END7832USNP	United States Of America	01 Apr 2016	15/089295	US-2017-0281187	10856867
END7833USNP	United States Of America	01 Apr 2016	15/089300	US-2017-0281179	10456140
END7834USNP	United States Of America	01 Apr 2016	15/089196	US-2017-0281183	10568632
END7835USNP	United States Of America	01 Apr 2016	15/089203	US-2017-0281184	10542991
END7836USNP	United States Of America	01 Apr 2016	15/089210	US-2017-0281185	10478190
END7837USNP	United States Of America	01 Apr 2016	15/089324	US-2017-0281170	10314582
END7838USNP	United States Of America	01 Apr 2016	15/089335	US-2017-0281155	10485542
END7839USNP	United States Of America	01 Apr 2016	15/089339	US-2017-0281173	
END7840USNP	United States Of America	01 Apr 2016	15/089253	US-2017-0281177	10413297
END7841USNP	United States Of America	01 Apr 2016	15/089304	US-2017-0281188	10285705
END7842USNP	United States Of America	01 Apr 2016	15/089331	US-2017-0281180	10376263
END7843USNP	United States Of America	01 Apr 2016	15/089336	US-2017-0281164	10709446
END7844USNP	United States Of America	01 Apr 2016	15/089312	US-2017-0281189	
END7845USNP	United States Of America	01 Apr 2016	15/089309	US-2017-0281169	10675021
END7845USNP1	United States Of America	01 Apr 2016	15/089349	US-2017-0281174	10682136
END7846USPSP	United States Of America	03 May 2016	62/331123		
END7848USNP	United States Of America	09 Feb 2016	15/019228	US-2017-0224342-A1	10433837
END7849USNP	United States Of America	09 Feb 2016	15/019196	US-2017-0224330-A1	10413291
END7850USNP	United States Of America	09 Feb 2016	15/019206	US-2017-0224331-A1	10653413
END7851USNP	United States Of America	09 Feb 2016	15/019215	US-2017-0224332-A1	
END7852USNP	United States Of America	09 Feb 2016	15/019227	US-2017-0224334-A1	
END7853USNP	United States Of America	09 Feb 2016	15/019235	US-2017-0224336-A1	10245030
END7854USNP	United States Of America	09 Feb 2016	15/019230	US-2017-0224335-A1	10588625
END7855USNP	United States Of America	09 Feb 2016	15/019245	US-2017-0224343-A1	10470764

SCHEDULE A

END7859USNP	United States Of America	31 Dec 2015	14/985501	US2017-0189021A1	10285693
END7860USCNT1	United States Of America	21 Jan 2020	16/747921	US2020-0205808A1	
END7860USNP	United States Of America	31 Dec 2015	14/985525	US2017-0189015A1	10575848
END7861USNP	United States Of America	31 Dec 2015	14/985541	US2017-0189132A1	10561474
END7862USCNT1	United States Of America	05 Mar 2019	16/292712	US-2019-0261985	10973521
END7862USNP	United States Of America	31 Dec 2015	14/985549	US2017-0189024A1	10258334
END7863USNP	United States Of America	31 Dec 2015	14/985567	US2017-0189012A1	10610219
END7871USDIV1	United States Of America	30 Oct 2018	16/174320	US-2019-0125395	10973542
END7871USNP	United States Of America	21 Dec 2015	14/976127	US-2017-0172615	10231749
END7872USNP	United States Of America	17 Dec 2015	14/972995	US-2017-0172699	10492885
END7873USNP	United States Of America	04 Oct 2016	15/284819	US-2017-0105754-A1	11045275
END7873USNP1	United States Of America	04 Oct 2016	15/284837	US-2017-0105755-A1	11020200
END7873USNP2	United States Of America	04 Oct 2016	15/284855	US-2017-0105788	10893914
END7873USPSP	United States Of America	19 Oct 2015	62/243189		
END7873USPSP1	United States Of America	18 Jul 2016	62/363411		
END7874USNP	United States Of America	15 Oct 2015	14/884073	US-2017-0105727	
END7875USNP	United States Of America	15 Oct 2015	14/884096	US-2017-0105728	10265073
END7876USNP	United States Of America	15 Oct 2015	14/884272	US-2017-0105725	10342535
END7877USNP	United States Of America	15 Oct 2015	14/884117	US-2017-0105729	10226251
END7878USNP	United States Of America	15 Oct 2015	14/884176	US-2017-0105730	10265069
END7879USNP	United States Of America	15 Oct 2015	14/884198	US-2017-0105731	10952730
END7880USNP	United States Of America	15 Oct 2015	14/884228	us-2017-0105732	10499917
END7881USNP	United States Of America	15 Oct 2015	14/884248	US-2017-0105733-A1	
END7882USNP	United States Of America	16 Oct 2015	14/885341	US-2017-0105786	10595930
END7883USNP	United States Of America	16 Oct 2015	14/885348	US-2017-0105782	10548655
END7884USNP2	United States Of America	12 Oct 2016	15/291694	US-2017-0105789	10959771
END7884USPSP	United States Of America	18 Apr 2016	62/324143		
END7884USPSP1	United States Of America	11 May 2016	62/334790		
END7884USPSP2	United States Of America	16 Oct 2015	62/285019		
END7885USNP	United States Of America	04 Oct 2016	15/285167	US-2017-0105752	10507035
END7885USPSP	United States Of America	20 Oct 2015	62/243723		
END7885USPSP1	United States Of America	11 Jul 2016	62/360549		
END7886USNP	United States Of America	24 Jun 2016	15/192534	US-2017-0367752	10537382
END7887USCNT1	United States Of America	22 Aug 2018	16/108966	US-2019-0069960	10603123
END7887USNP	United States Of America	30 Sep 2016	15/282243	US-2017-0095298-A1	10085810
END7887USNP1	United States Of America	30 Sep 2016	15/282353	US-2017-0095295-A1	10052164
END7887USPSP	United States Of America	02 Oct 2015	62/236356		
END7889USCNT1	United States Of America	29 Mar 2019	16/368969	US-2019-0290319-A1	
END7889USCNT2	United States Of America	23 Aug 2019	16/549817	US-2020-0078042	
END7889USNP	United States Of America	20 Sep 2016	15/270540	US-2017-0105753	10327797
END7889USNP2	United States Of America	06 Apr 2017	15/480546	US-2017-0312044	10172684
END7889USPSP	United States Of America	16 Oct 2015	62/242440		
END7889USPSP1	United States Of America	04 Dec 2015	62/263102		
END7889USPSP2	United States Of America	29 Apr 2016	62/329381		
END7890USCNT1	United States Of America	09 Jul 2018	16/029893	US-2019-0000455	10966719
END7890USNP	United States Of America	31 Dec 2015	14/985578	US2017-0189022A1	10045780

SCHEDULE A

END7891USDP	United States Of America	09 Mar 2016	29/557422		D800904
END7892USNP	United States Of America	18 Nov 2016	15/355836	US2017-0164972A1	
END7892USNP1	United States Of America	18 Nov 2016	15/355875	US2017-0164973A1	10660692
END7892USNP2	United States Of America	18 Nov 2016	15/355892	US2017-0164997A1	
END7892USPSP	United States Of America	10 Dec 2015	62/265611		
END7892USPSP1	United States Of America	19 Apr 2016	62/324428		
END7892USPSP2	United States Of America	22 Jul 2016	62/365543		
END7895USNP	United States Of America	04 Apr 2016	15/089733	US-2017-0281218	10507034
END7897USCNT1	United States Of America	03 Jun 2019	16/429127	US-2019-0321069	
END7897USCNT2	United States Of America	07 May 2021	17/314684		
END7897USNP	United States Of America	01 Apr 2016	15/088357	US-2017-0281217	10492819
END7898USNP	United States Of America	04 Apr 2016	15/089748	US-2017-0281220	10575836
END7899USCNT1	United States Of America	03 Jun 2019	16/429129	US-2019-0321070	
END7899USNP	United States Of America	05 Apr 2016	15/090670	US-2017-0281221	10405876
END7900USNP	United States Of America	26 Apr 2016	15/138677	US-2017-0304876-A1	10286424
END7901USNP	United States Of America	28 Nov 2016	15/362366	US-2018-0146975-A1	10603064
END7902USCNT1	United States Of America	10 Apr 2019	16/380238	US2019-0298405A1	
END7903USNP	United States Of America	25 May 2016	15/163811	US2017-0340344A1	10702296
END7904USNP	United States Of America	15 Jul 2016	15/212141	US-2018-0014872	
END7905USNP	United States Of America	01 Apr 2016	15/088398	US-2017-0284860	10175096
END7906USNP	United States Of America	13 Jul 2016	15/209285	US-2018-0014845	10893883
END7907USNP	United States Of America	15 Jul 2016	15/211402	US-2018-0014848	10842522
END7908USNP	United States Of America	04 Mar 2016	15/060684	US2017-0255479A1	10459740
END7909USNP	United States Of America	19 Apr 2017	15/491139	US-2017-0333073	10624667
END7909USPSP	United States Of America	20 May 2016	62/339151		
END7910USDIV2	United States Of America	29 Mar 2021	17/215234		
END7910USNP	United States Of America	19 Jun 2017	15/626768	US-2018-0014846	10245064
END7910USPSP	United States Of America	12 Jul 2016	62/361136		
END7910USPSP1	United States Of America	31 Aug 2016	62/381785		
END7911USDIV1	United States Of America	13 Dec 2019	16/713741	US-2020-0138473	
END7911USNP	United States Of America	16 Dec 2016	15/382515	US-2017-0202605	10842523
END7911USNP1	United States Of America	16 Dec 2016	15/382238	US-2017-0202591	
END7911USNP2	United States Of America	16 Dec 2016	15/382246	US-2017-0202607	
END7911USNP3	United States Of America	16 Dec 2016	15/382252	US-2017-0202592	10537351
END7911USNP4	United States Of America	16 Dec 2016	15/382257	US2017-0202593A1	10299821
END7911USNP5	United States Of America	16 Dec 2016	15/382265		10828058
END7911USNP6	United States Of America	16 Dec 2016	15/382274	US-2017-0202570	10251664
END7911USNP7	United States Of America	16 Dec 2016	15/382281	US2017-0202595A1	
END7911USNP8	United States Of America	16 Dec 2016	15/382283	US2017-0202596A1	10709469
END7911USNP9	United States Of America	16 Dec 2016	15/382285	US-2017-0207467	10779849
END7911USNP10	United States Of America	16 Dec 2016	15/382287	US2017-0202597A1	
END7911USNP11	United States Of America	16 Dec 2016	15/382288	US2017-0202598A1	
END7911USNP12	United States Of America	16 Dec 2016	15/382290	US-2017-0202608-A1	10835307
END7911USNP13	United States Of America	16 Dec 2016	15/382292	US2017-0202572A1	
END7911USNP14	United States Of America	16 Dec 2016	15/382297	US-2017-0202599	
END7911USNP15	United States Of America	16 Dec 2016	15/382306	US-2017-0202571	

SCHEDULE A

END7911USNP16	United States Of America	19 Dec 2016	15/382309	US2017-0202609A1	10716615
END7911USPSP	United States Of America	15 Jan 2016	62/279635		
END7911USPSP1	United States Of America	02 May 2016	62/330669		
END7912USCNT1	United States Of America	23 Sep 2016	15/274182	US-2017-0281226	10420544
END7912USCNT3	United States Of America	23 Sep 2016	15/274209	US-2017-0281229	10285688
END7912USCNT4	United States Of America	23 Sep 2016	15/274237	US-2017-0281228	10251638
END7912USNP	United States Of America	01 Apr 2016	15/088723	US-2017-0281154	10299785
END7913USNP	United States Of America	20 Apr 2016	15/133306	US-2017-0303923	10653420
END7914USNP	United States Of America	20 Apr 2016	15/133364	US-2017-0303924	10285700
END7915USNP	United States Of America	20 Apr 2016	15/133381	US-2017-0303925	10363032
END7916USNP	United States Of America	20 Apr 2016	15/133407	US-2017-0303926	10258337
END7917USDIV1	United States Of America	31 Jul 2019	16/527647	US-2019-0350615	
END7917USNP	United States Of America	17 Aug 2017	15/679940	US-2018-0055529	
END7917USPSP	United States Of America	25 Aug 2016	62/379550		
END7918USNP	United States Of America	29 Apr 2016	15/142589	US-2017-0312017-A1	10987156
END7919USNP	United States Of America	29 Apr 2016	15/142598	US-2017-0312018-A1	
END7920USNP	United States Of America	29 Apr 2016	15/142609	US-2017-0312019-A1	10856934
END7921USNP	United States Of America	29 Apr 2016	15/142403	US-2017-0312014-A1	10702329
END7922USNP	United States Of America	29 Apr 2016	15/142425	US-2017-0312015-A1	10646269
END7923USNP	United States Of America	29 Apr 2016	15/142446	US-2017-0312016-A1	10485607
END7924USPSP	United States Of America	07 Mar 2016	62/304716		
END7926USNP	United States Of America	16 Aug 2016	15/237740	US-2018-0049820	10531929
END7926USNP1	United States Of America	16 Aug 2016	15/237751	US-2018-0049821-A1	10709511
END7926USNP2	United States Of America	16 Aug 2016	15/237753	US-2018-0049822	10390895
END7930USNP	United States Of America	16 Aug 2016	15/237700	US-2018-0049817	10813703
END7931USNP	United States Of America	16 Aug 2016	15/237704	US-2018-0049818	10111719
END7932USNP	United States Of America	16 Aug 2016	15/238007	US-2018-0049795	
END7932USNP1	United States Of America	16 Aug 2016	15/238022	US-2018-0049794	10993760
END7934USNP	United States Of America	16 Aug 2016	15/237712	US-2018-0049819	10548673
END7934USNP1	United States Of America	16 Aug 2016	15/237715	US-2018-0049737	10500000
END7936USNP	United States Of America	16 Aug 2016	15/238219	US-2018-0051780	10849698
END7937USNP	United States Of America	16 Aug 2016	15/237721	US-2018-0049833	10433925
END7939USNP	United States Of America	16 Aug 2016	15/237946	US-2018-0049823	10675103
END7940USCNT2	United States Of America	20 Aug 2019	16/545256	US-2019--0374294	10945798
END7940USNP	United States Of America	16 Aug 2016	15/237648	US-2018-0049812	9943377
END7941USNP	United States Of America	16 Aug 2016	15/237653	US-2018-0049813	10016246
END7941USNP1	United States Of America	16 Aug 2016	15/237657	US-2018-049814	9968412
END7941USNP2	United States Of America	16 Aug 2016	15/237658	US-2018-0049815	9956050
END7942USNP	United States Of America	16 Aug 2016	15/237661	US-2018-0049816	10045827
END7943USNP	United States Of America	16 Aug 2016	15/237877	US-2018-0049835	10478256
END7943USNP1	United States Of America	16 Aug 2016	15/237886	US-2018-0049836	10080622
END7946USCNT1	United States Of America	27 Aug 2019	16/552413	US-2019-0380796	
END7946USNP	United States Of America	16 Aug 2016	15/238001	US-2018-0049792	10398517
END7946USNP1	United States Of America	16 Aug 2016	15/238015	US-2018-0049832	10537399
END7947USNP	United States Of America	16 Aug 2016	15/238389	US-2018-0049741-A1	10363035
END7950USCNT2	United States Of America	07 Jun 2021	17/340226		

SCHEDULE A

END7950USNP	United States Of America	16 Aug 2016	15/237902	US-2018-0049829	10413373
END7950USNP1	United States Of America	16 Aug 2016	15/237909	US-2018-0049830	10182875
END7953USNP	United States Of America	25 May 2016	15/163824	US-2017-0340345-A1	10555748
END7954USCNT1	United States Of America	31 Mar 2020	16/835626	US 2020-0315651	
END7954USNP	United States Of America	25 May 2016	15/163830	US2017-0340339A1	10660663
END7955USNP	United States Of America	29 Nov 2016	15/363244	US-2018-0146976-A1	
END7956USCNT1	United States Of America	06 Dec 2018	16/211429	US-2019-0167294-A1	11051838
END7956USNP	United States Of America	12 Jul 2016	15/207637	US2018-0014844A1	10258362
END7957USNP	United States Of America	25 Aug 2016	15/246618	US-2018-0055533	10555750
END7958USNP	United States Of America	01 Jul 2016	15/200333	US-2018-0000506	10543014
END7959USNP	United States Of America	09 Aug 2016	15/232113	US2018-0042634A1	10285723
END7960USPSP	United States Of America	30 Oct 2017	62/578793		
END7961USPSP	United States Of America	30 Oct 2017	62/578804		
END7962USNP	United States Of America	28 Feb 2018	15/908040	US-2019-0125383	10952708
END7962USPSP	United States Of America	30 Oct 2017	62/578817		
END7963USNP	United States Of America	28 Feb 2018	15/908057	US-2019-0125384	
END7963USPSP	United States Of America	30 Oct 2017	62/578835		
END7964USNP	United States Of America	28 Feb 2018	15/908058	US-2019-0125324	
END7965USPSP	United States Of America	30 Oct 2017	62/578855		
END7966USCNT1	United States Of America	05 Aug 2019	16/531591	US-2020-0030021	
END7966USNP	United States Of America	05 Aug 2016	15/229562	US-2018-003665-A1	10376305
END7967USNP	United States Of America	13 Jul 2016	15/208863	US2018-0014826A1	10499912
END7969USNP	United States Of America	06 Feb 2018	15/889363	US-2019-0239881-A1	10631866
END7970USNP	United States Of America	06 Feb 2018	15/889370	US-2019-0239882-A1	10667818
END7972USNP	United States Of America	06 Feb 2018	15/889376	US-2019-0239883-A1	10898197
END7973USNP	United States Of America	06 Feb 2018	15/889388	US-2019-0239884-A1	10874398
END7974USNP	United States Of America	06 Feb 2018	15/889390	US-2019-0239885-A1	10687819
END7975USDP	United States Of America	14 Nov 2016	29/584321		D833608
END7975USDP1	United States Of America	14 Nov 2016	29/584327		D830550
END7975USDPD1	United States Of America	21 Aug 2018	29/660436		D854152
END7975USDPD2	United States Of America	01 Oct 2018	29/665182		D894390
END7975USDPD3	United States Of America	05 Dec 2018	29/672408		D920511
END7975USDPD4	United States Of America	29 Apr 2021	29/781329		
END7975USDPD5	United States Of America	29 Apr 2021	29/781330		
END7975USNP	United States Of America	14 Nov 2016	15/350513	US-2018-0132853	10980542
END7976USNP	United States Of America	14 Nov 2016	15/350593	US-2018-0132848	10542981
END7977USNP	United States Of America	14 Nov 2016	15/350621	US-2018-0132849	
END7978USNP	United States Of America	14 Nov 2016	15/350624	US-2018-0132854	10603041
END7979USNP	United States Of America	01 Aug 2017	15/666120	US-2019-0038816	
END7980USNP	United States Of America	21 Dec 2016	15/386185	US 2018-0168642	10639035
END7981USCNT3	United States Of America	08 Dec 2020	17/114887		
END7981USNP	United States Of America	21 Dec 2016	15/386230	US-2018-0168649-A1	
END7982USNP	United States Of America	21 Dec 2016	15/386221	US-2018-0168646	10835247
END7983USNP	United States Of America	21 Dec 2016	15/386209	US-2018-0168645-A1	10588632
END7984USNP	United States Of America	21 Dec 2016	15/386198	US-2018-0168644	10610224
END7985USNP	United States Of America	21 Dec 2016	15/386240	US2018-0168651A1	10973516

SCHEDULE A

END7986USNP	United States Of America	21 Dec 2016	15/385939	US-2018-0168629-A1	10835246
END7987USNP	United States Of America	21 Dec 2016	15/385941	US-2018-0168630-A1	10736629
END7988USNP	United States Of America	21 Dec 2016	15/385943	US-2018-0168631	10667811
END7989USNP	United States Of America	21 Dec 2016	15/385950	US-2018-0168635-A1	10588630
END7990USNP	United States Of America	21 Dec 2016	15/385945	US2018-0168632A1	10893864
END7991USNP	United States Of America	21 Dec 2016	15/385946	US-2018-0168633-A1	
END7992USNP	United States Of America	21 Dec 2016	15/385951	US-2018-0168636-A1	10568626
END7993USCNT2	United States Of America	29 Mar 2021	17/215222		
END7993USNP	United States Of America	21 Dec 2016	15/385953	US 2018/0168637	10675026
END7994USNP	United States Of America	21 Dec 2016	15/385954	US-2018-0168638-A1	10624635
END7995USNP	United States Of America	21 Dec 2016	15/385955	US-2018-0168639-A1	10813638
END7996USCNT1	United States Of America	16 Mar 2021	17/202925		
END7996USNP	United States Of America	21 Dec 2016	15/385948	US-2018-0168584-A1	
END7997USNP	United States Of America	21 Dec 2016	15/385956	US-2018-0168640-A1	10588631
END7998USNP	United States Of America	21 Dec 2016	15/385958	US-2018-0168641-A1	10639034
END7999USNP	United States Of America	21 Dec 2016	15/385947	US-2018-0168634-A1	10568625
END8000USNP	United States Of America	21 Dec 2016	15/386188	US-2018-0168585-A1	10537324
END8001USNP	United States Of America	21 Dec 2016	15/386192	US-2018-0168643-A1	10687810
END8002USNP	United States Of America	21 Dec 2016	15/386206	US-2018-0168586-A1	10945727
END8004USNP	United States Of America	21 Dec 2016	15/386222	US-2018-0168647-A1	
END8005USNP	United States Of America	21 Dec 2016	15/386236	US-2018-0168650-A1	
END8006USNP	United States Of America	21 Dec 2016	15/385887	US-2018-0168589	10835245
END8007USNP	United States Of America	21 Dec 2016	15/385889	US 2018-0168590	
END8008USNP	United States Of America	21 Dec 2016	15/385890	US-2018-0168591	10675025
END8009USNP	United States Of America	21 Dec 2016	15/385891	US-2018-0168592	
END8010USNP	United States Of America	21 Dec 2016	15/385892	US 2018-0168596	10918385
END8011USCNT1	United States Of America	18 Nov 2019	16/686999	US-2020-0155151-A1	
END8011USNP	United States Of America	21 Dec 2016	15/385894	US2018-0168595A1	10492785
END8012USNP	United States Of America	21 Dec 2016	15/385895	US 2018-0168596	10542982
END8013USCNT1	United States Of America	12 Mar 2021	17/199600		
END8013USNP	United States Of America	21 Dec 2016	15/385896	US 2018-0168597	
END8014USCNT2	United States Of America	17 Jan 2020	16/745828	US-2020-0229816-A1	
END8014USNP	United States Of America	21 Dec 2016	15/385898	US 2018-0168599	10537325
END8015USCNT1	United States Of America	08 Apr 2021	17/225626		
END8015USNP	United States Of America	24 Jun 2016	15/191775	US-2017-0367695	11000278
END8016USNP	United States Of America	21 Dec 2016	15/385899	US 2018-0168600	10758229
END8017USNP	United States Of America	21 Dec 2016	15/385901	US 2018-0168602	10667809
END8018USNP	United States Of America	21 Dec 2016	15/385902	US-2018-0168603-A1	10888322
END8019USNP	United States Of America	21 Dec 2016	15/385904	US 2018-0168605	10881401
END8020USNP	United States Of America	21 Dec 2016	15/385905	US 2018-0168606	10695055
END8021USNP	United States Of America	21 Dec 2016	15/385907	US 2018-0168608	
END8022USNP	United States Of America	21 Dec 2016	15/385908	US 2018-0168609	
END8023USNP	United States Of America	21 Dec 2016	15/385909	US 2018-0168610	
END8024USNP	United States Of America	21 Dec 2016	15/385916	US-2018-0168575-A1	
END8025USCNT1	United States Of America	27 Feb 2019	16/287320	US-2019-0192157	
END8025USNP	United States Of America	21 Dec 2016	15/385918	US-2018-0168618-A1	

SCHEDULE A

END8026USNP	United States Of America	21 Dec 2016	15/385919	US-2018-0168619-A1	
END8027USNP	United States Of America	21 Dec 2016	15/385921	US-2018-0168621-A1	10687809
END8028USCNT1	United States Of America	27 Feb 2019	16/287378	US-2019-0192159	
END8028USNP	United States Of America	21 Dec 2016	15/385923	US-2018-0168623-A1	
END8029USNP	United States Of America	21 Dec 2016	15/385925	US-2018-0168576-A1	10517595
END8030USNP	United States Of America	21 Dec 2016	15/385926	US-2018-0168577-A1	
END8031USNP	United States Of America	21 Dec 2016	15/385928	US-2018-0168578-A1	
END8032USCNT1	United States Of America	14 Aug 2019	16/540688	US-2020-0008802-A1	
END8032USNP	United States Of America	21 Dec 2016	15/385930	US-2018-0168579-A1	
END8033USNP	United States Of America	21 Dec 2016	15/385932	US-2018-0168628-A1	10959727
END8034USNP	United States Of America	21 Dec 2016	15/385933	US-2018-0168580-A1	10603036
END8035USNP	United States Of America	21 Dec 2016	15/385934	US-2018-0168581-A1	10582928
END8036USNP	United States Of America	21 Dec 2016	15/385935	US-2018-0168582-A1	10524789
END8037USNP	United States Of America	21 Dec 2016	15/385936	US-2018-0168583-A1	10517596
END8039USNP	United States Of America	21 Dec 2016	15/385913	US2018-0168614A1	
END8040USNP	United States Of America	24 Jun 2016	15/191788	US-2017-0367698	10675024
END8041USNP	United States Of America	21 Dec 2016	15/385914	US 2018-0168615	
END8042USNP	United States Of America	21 Dec 2016	15/385893	US2018-0168594A1	10682138
END8043USNP	United States Of America	21 Dec 2016	15/385929	US2018-0168626A1	10667810
END8044USNP	United States Of America	21 Dec 2016	15/385911	US2018-0168612A1	10448950
END8045USCNT1	United States Of America	12 Jan 2021	17/146764		
END8045USNP	United States Of America	21 Dec 2016	15/385927	US2018-0168625A1	
END8046USNP	United States Of America	24 Jun 2016	15/191807	US-2017-0367696	10702270
END8047USNP	United States Of America	21 Dec 2016	15/385917	US 2018-0168617	10993715
END8048USNP	United States Of America	21 Dec 2016	15/385900	US2018-0168601A1	10898186
END8049USNP	United States Of America	24 Jun 2016	15/191818	US-2017-0367697-A1	10893863
END8050USNP	United States Of America	21 Dec 2016	15/385931	US-2018-0168627-A1	10980536
END8051USNP	United States Of America	21 Dec 2016	15/385915	US 2018-0168616	10779823
END8052USNP	United States Of America	21 Dec 2016	15/385897	US 2018-0168598	
END8053USNP	United States Of America	21 Dec 2016	15/385922	US2018-0168622A1	10426471
END8054USNP	United States Of America	21 Dec 2016	15/385924	US 2018-0168624	10758230
END8056USNP	United States Of America	21 Dec 2016	15/385912	US 2018-0168613	10568624
END8057USNP	United States Of America	21 Dec 2016	15/385910	US2018-0168611A1	10485543
END8058USNP	United States Of America	21 Dec 2016	15/385903	US2018-0168604A1	10617414
END8059USNP	United States Of America	21 Dec 2016	15/385906	US-2018-0168607	10856868
END8060USNP	United States Of America	14 Dec 2016	15/378391	US-2018-0161057	10603129
END8069USCNT1	United States Of America	24 Mar 2021	17/211263		
END8085USCNT1	United States Of America	26 Apr 2021	17/240480		
END8090USNP	United States Of America	19 Jul 2016	15/214415	US-2018-0021051	
END8091USDP	United States Of America	16 Aug 2016	29/574530		D847990
END8092USNP	United States Of America	14 Dec 2016	15/378414	US-2018-0161058	10575917
END8093USCNT1	United States Of America	26 Nov 2019	16/696329	US-2020-0163735	
END8093USNP	United States Of America	14 Dec 2016	15/378432	US-2018-0161059	10660722
END8094USCNT1	United States Of America	03 Feb 2020	16/779761	US2020-0222142A1	
END8094USNP	United States Of America	14 Dec 2016	15/378452	US-2018-0161060	10646300
END8095USNP	United States Of America	14 Dec 2016	15/378488		9833256

SCHEDULE A

END8106USNP	United States Of America	17 Feb 2017	15/436328	US-2018-0235624	10765426
END8108USDIV1	United States Of America	30 Aug 2019	16/556568	US-2020-0008803-A1	
END8108USNP	United States Of America	17 Feb 2017	15/436384	US-2018-0235625	
END8112USNP	United States Of America	09 Dec 2016	15/374108	US2018-0161109A1	10433920
END8112USNP1	United States Of America	09 Dec 2016	15/374145	US2018-0161110A1	10149727
END8112USNP2	United States Of America	09 Dec 2016	15/374156	US2018-0161118A1	10149732
END8112USNP3	United States Of America	09 Dec 2016	15/374177	US2018-0161111A1	10588704
END8115USCIP1	United States Of America	16 Jul 2018	16/035856	US 2018-0325514	
END8115USCIP2	United States Of America	16 Jul 2018	16/035860	US 2018-0325515	
END8115USCIP3	United States Of America	16 Jul 2018	16/035865	US 2018-0325516	
END8115USNP	United States Of America	17 Feb 2017	15/435573	US-2018-0235609	10828031
END8116USNP	United States Of America	17 Feb 2017	15/435607	US-2018-0235610	10729434
END8117USNP	United States Of America	17 Feb 2017	15/435618	US-2018-0235611	10806451
END8118USDP	United States Of America	17 Feb 2017	29/594340		D836199
END8119USCNT1	United States Of America	17 Jul 2020	16/931759	US 2020-0345363	
END8120USCNT1	United States Of America	19 Aug 2020	16/997136	US-2020-0375651-A1	
END8120USNP	United States Of America	23 Sep 2016	15/274559	US-2018-0085156-A1	10751117
END8122USNP	United States Of America	30 Jan 2017	15/419086	US-2018-0214150	10206682
END8123USNP	United States Of America	30 Jan 2017	15/419102	US-2018-0214151	10624644
END8124USNP	United States Of America	30 Jan 2017	15/419132	US-2018-0214149	10624643
END8125USNP	United States Of America	31 Jan 2017	15/419151	US-2018-0214152	10631865
END8127USNP	United States Of America	30 Jan 2017	15/419426	US-2018-0214154	10376265
END8128USNP	United States Of America	17 Jan 2017	15/407905	US2018-0199934A1	10537322
END8130USNP	United States Of America	31 Oct 2017	15/798680	US-2018-0132883	
END8130USNP1	United States Of America	31 Oct 2017	15/798703	US-2018-0132887	
END8130USNP3	United States Of America	31 Oct 2017	15/798835	US-2018-0132926	11039848
END8130USNP4	United States Of America	31 Oct 2017	15/798902	US-2018-0132884	10736648
END8130USPSP	United States Of America	16 Nov 2016	62/422698		
END8130USPSP1	United States Of America	19 May 2017	62/508720		
END8130USPSP2	United States Of America	14 Jun 2017	62/519482		
END8131USDCO1	United States Of America	16 Oct 2019	29/709604		
END8137USNP	United States Of America	29 Jun 2017	15/637690	US 2019-0000443	10675018
END8139USCIP1	United States Of America	30 Nov 2017	15/827174	US 2019-0000504	10939937
END8141USNP	United States Of America	29 Jun 2017	15/637712	US 2019-0000444	10709440
END8144USNP	United States Of America	29 Jun 2017	15/637735	US 2019-0000502	10709473
END8170USDIV1	United States Of America	21 Apr 2021	17/236555		
END8245USCNT1	United States Of America	07 May 2021	17/314691		
END8245USCNT2	United States Of America	03 Jun 2021	17/337885		
END8255USCNT2	United States Of America	30 Apr 2021	17/245098		
END8258USDIV1	United States Of America	14 May 2021	17/320941		
END8266USNP	United States Of America	20 Jun 2017	15/628067	US-2018-0360473	
END8338USNP	United States Of America	31 Jul 2017	15/664464	US-2019-0029794	10716658
END8340USNP	United States Of America	31 Jul 2017	15/664566	US-2019-0029688	10716570
END8357USDIV1	United States Of America	13 Apr 2021	17/229452		
END8447USCNT1	United States Of America	18 May 2020	16/876924	US 2020-0275934	
END8463USCNT1	United States Of America	02 Jun 2021	17/329747		

SCHEDULE A

END8477USCNT1	United States Of America	22 Mar 2021	17/208280		
END8481USPCT2	United States Of America	02 Nov 2018	16/758227	US-2020-0261091-A1	
END8487USCNT2	United States Of America	07 May 2021	17/314694		
END8487USNP1	United States Of America	12 Apr 2018	15/951773	US-2019-0314055-A1	10945755
END8487USNP2	United States Of America	12 Apr 2018	15/951788	US-2019-0314056	11051841
END8492USDP	United States Of America	01 Mar 2018	29/638804		D856513
END8492USDP1	United States Of America	01 Mar 2018	29/638805		D857195
END8494USNP	United States Of America	07 Mar 2018	15/914381	US-2019-0274689-A1	10945738
END8499USCNT2	United States Of America	29 Mar 2021	17/215986		
END8499USCNT3	United States Of America	29 Mar 2021	17/216005		
END8517USNP	United States Of America	02 Mar 2018	15/910550	US-2019-0269465	10856942
END8519USCNT1	United States Of America	02 Jun 2020	16/890387	US-2020-0289218-A1	
END8519USNP	United States Of America	15 Feb 2018	15/897877	US 2019-0247133	10695140
END8520USNP	United States Of America	12 Mar 2018	15/918793	US-2019-0274769	10835335
END8536USNP1	United States Of America	27 Sep 2018	16/144383	US-2019-0274706	
END8536USNP11	United States Of America	27 Sep 2018	16/144478	US2019-0274714A1	
END8536USNP12	United States Of America	27 Sep 2018	16/144486	US-2019-0274750	
END8536USNP13	United States Of America	27 Sep 2018	16/144508	US2019-0274752A1	
END8536USNP2	United States Of America	28 Aug 2018	16/115214	US-2019-0201073-A1	
END8536USNP3	United States Of America	27 Sep 2018	16/144391	US2019-0274719A1	
END8536USNP4	United States Of America	27 Sep 2018	16/144397	US-2019-0274707	
END8536USNP5	United States Of America	27 Sep 2018	16/144405	US2019-0274708A1	
END8536USNP6	United States Of America	27 Sep 2018	16/144418	US2019-0274662A1	
END8536USNP7	United States Of America	27 Sep 2018	16/144427	US2019-0274710A1	
END8536USNP8	United States Of America	27 Sep 2018	16/144434	US2019-0274711A1	
END8536USNP9	United States Of America	27 Sep 2018	16/144460	US2019-0274713A1	
END8536USPSP	United States Of America	08 Mar 2018	62/640415		
END8540USCNT1	United States Of America	13 May 2021	17/319740		
END8540USCNT2	United States Of America	13 May 2021	17/319743		
END8549USNP1	United States Of America	20 Nov 2018	16/196910	US-2019-0172371	
END8550USCNT1	United States Of America	05 May 2021	17/308097		
END8552USCNT1	United States Of America	26 Apr 2021	17/239758		
END8557USCNT1	United States Of America	25 May 2021	17/329568		
END8559USNP1	United States Of America	04 Dec 2018	16/209458	US-2019-0201047-A1	
END8560USNP1	United States Of America	27 Sep 2018	16/144335	US-2019-0274717-A1	
END8560USNP2	United States Of America	28 Aug 2018	16/115205	US-2019-0201036-A11	
END8560USNP3	United States Of America	27 Sep 2018	16/144345	US-2019-0274718	
END8560USNP4	United States Of America	27 Sep 2018	16/144351	US-2019-0274705	
END8560USNP5	United States Of America	27 Sep 2018	16/144423	US2019-0274709A1	
END8560USNP6	United States Of America	27 Sep 2018	16/144455	US2019-0274712A1	
END8560USNP7	United States Of America	27 Sep 2018	16/144483	US-2019-0274720	
END8561USNP1	United States Of America	28 Aug 2018	16/115233	US-2019-0201091-A1	
END8563USCNT4	United States Of America	21 Dec 2020	17/128578		
END8563USNP1	United States Of America	28 Aug 2018	16/115208	US-2019-0201037	
END8563USNP2	United States Of America	28 Aug 2018	16/115220	US 2019-0201040	
END8563USNP5	United States Of America	28 Aug 2018	16/115247	US2019-0274716A1	

SCHEDULE A

END8564USNP1	United States Of America	28 Aug 2018	16/115211	US-2019-0201039-A1	
END8564USNP2	United States Of America	28 Aug 2018	16/115226	US-2019-0201075-A1	
END8564USNP3	United States Of America	28 Aug 2018	16/115240	US-2019-0201043-A1	
END8565USNP1	United States Of America	28 Aug 2018	16/115249	US-2019-0201077-A1	
END8565USNP2	United States Of America	28 Aug 2018	16/115256	US-2019-0201092-A1	
END8566USCNT1	United States Of America	23 Dec 2020	17/132156		
END8566USNP1	United States Of America	28 Aug 2018	16/115223	US-2019-0201074-A1	
END8573USNP1	United States Of America	28 Aug 2018	16/115238	US-2019-0201041-A1	
END8589USNP1	United States Of America	28 Dec 2018	16/234707	US-2019-0206565	
END8598USCNT1	United States Of America	26 Apr 2021	17/240381		
END8598USNP1	United States Of America	13 Jul 2018	16/034942	US-2020-0015853	10987135
END8603USDP2	United States Of America	08 Mar 2019	29/682822		D916284
END8603USDP3	United States Of America	08 Mar 2019	29/682823		D916285
END8603USDP4	United States Of America	08 Mar 2019	29/682824		D916286
END8605USPSP1	United States Of America	16 Jul 2018	62/698625		
END8617USCNT1	United States Of America	27 May 2021	17/331917		
END8624USCNT1	United States Of America	27 May 2021	17/331920		
END8641USDPD1	United States Of America	21 May 2021	29/784876		
END8647USNP1	United States Of America	07 Nov 2018	16/182825	US2020-0138452A1	
END8648USCNT1	United States Of America	26 May 2021	17/330502		
END8648USNP1	United States Of America	07 Nov 2018	16/182829	US2020-0138492A1	11039866
END8653USNP1	United States Of America	19 Dec 2018	16/225643	US-2020-0197015	
END9001USNP2	United States Of America	13 Dec 2018	16/219080	US-2020-0188046	
END9002USNP1	United States Of America	31 Oct 2018	16/176575	US 2020-0129198	
END9002USNP2	United States Of America	02 Nov 2018	16/179208	US2020-0138507A1	
END9002USNP3	United States Of America	05 Nov 2018	16/180280	US2020-0138508A1	
END9003USNP1	United States Of America	13 Nov 2018	16/189343	US-2020-0146765-A1	
END9004USNP1	United States Of America	25 Oct 2018	16/170485	US 2020-0129255	
END9005USNP1	United States Of America	31 Oct 2018	16/176435	US-2020-0129178-A1	
END9006USNP1	United States Of America	25 Mar 2019	16/363045	US-2020-0305868-A1	
END9007USNP1	United States Of America	25 Mar 2019	16/363070	US-2020-0305870-A1	
END9008USNP1	United States Of America	25 Mar 2019	16/363051	US-2020-0305865-A1	
END9011USNP1	United States Of America	04 Dec 2018	16/209465	US-2019-0206563	
END9011USPSP1	United States Of America	30 Nov 2018	62/773778		
END9012USCNT2	United States Of America	05 Mar 2021	17/193786		
END9012USNP2	United States Of America	06 Nov 2018	16/182230	US-2019-0200980-A1	
END9012USNP3	United States Of America	06 Nov 2018	16/182233	US-2019-0201123	
END9012USPSP1	United States Of America	10 Sep 2018	62/729177		
END9013USNP1	United States Of America	06 Nov 2018	16/182267		
END9013USPSP1	United States Of America	10 Sep 2018	62/729182		
END9014USNP1	United States Of America	06 Nov 2018	16/182249	US-2019-0201081-A1	
END9014USPSP1	United States Of America	10 Sep 2018	62/729184		
END9015USNP1	United States Of America	04 Dec 2018	16/209478	US 2019-0104919	
END9016USNP1	United States Of America	06 Nov 2018	16/182246	US-2019-0204201-A1	
END9016USNP2	United States Of America	06 Nov 2018	16/182256	US-2019-0201127-A1	
END9016USPSP1	United States Of America	10 Sep 2018	62/729183		

SCHEDULE A

END9017USCNT1	United States Of America	29 Mar 2021	17/215933		
END9017USCNT2	United States Of America	29 Mar 2021	17/215954		
END9017USCNT3	United States Of America	29 Mar 2021	17/215971		
END9017USNP1	United States Of America	04 Dec 2018	16/209490	US-2019-0206564	
END9017USPSP1	United States Of America	30 Nov 2018	62/773741		
END9018USCNT1	United States Of America	24 Mar 2021	17/210839		
END9018USCNT2	United States Of America	24 Mar 2021	17/210865		
END9018USCNT3	United States Of America	25 Mar 2021	17/211920		
END9018USCNT4	United States Of America	25 Mar 2021	17/212001		
END9018USNP1	United States Of America	06 Nov 2018	16/182242	US-2019-0206556-A1	
END9018USNP2	United States Of America	06 Nov 2018	16/182255	US-2019-0201126	
END9018USNP3	United States Of America	06 Nov 2018	16/182269	US-2019-0201129	
END9018USNP4	United States Of America	06 Nov 2018	16/182278	US-2019-0201130-A1	
END9018USNP5	United States Of America	06 Nov 2018	16/182290	US-2019-0201102	
END9018USPSP1	United States Of America	10 Sep 2018	62/729191		
END9019USPSP1	United States Of America	10 Sep 2018	62/729176		
END9020USNP1	United States Of America	21 Feb 2019	16/281658	US-2019-0298350-A1	
END9020USPSP1	United States Of America	19 Feb 2019	62/807310		
END9021USNP1	United States Of America	21 Feb 2019	16/281670	US-2019-0298340-A1	
END9021USNP2	United States Of America	21 Feb 2019	16/281675	US-2019-0298354-A1	
END9021USNP5	United States Of America	21 Feb 2019	16/281704	US-2019-0298356-A1	
END9021USNP7	United States Of America	21 Feb 2019	16/281741	US-2019-0298357-A1	
END9021USNP8	United States Of America	21 Feb 2019	16/281762	US2019-0298343-A1	
END9021USPSP1	United States Of America	19 Feb 2019	62/807319		
END9022USNP2	United States Of America	21 Feb 2019	16/281666	us-2019-0298352-a1	
END9022USNP4	United States Of America	21 Feb 2019	16/281678	US-2019-0298355-A1	
END9022USNP5	United States Of America	21 Feb 2019	16/281682	US-2019-0298346-A1	
END9022USPSP1	United States Of America	19 Feb 2019	62/807309		
END9023USNP1	United States Of America	22 Mar 2019	16/361793	US 2019-0314015	
END9023USPSP1	United States Of America	21 Mar 2019	62/821677		
END9024USPSP1	United States Of America	25 Oct 2018	62/750529		
END9025USNP2	United States Of America	26 Oct 2018	16/172078	US 2019-0125356	
END9025USNP3	United States Of America	26 Oct 2018	16/172087	US-2019-0125339-A1	11026687
END9025USPSP1	United States Of America	25 Oct 2018	62/750539		
END9026USNP1	United States Of America	26 Oct 2018	16/172164	US 2019-0125359	
END9026USNP2	United States Of America	26 Oct 2018	16/172168	US 2019-0125360	
END9026USPSP1	United States Of America	25 Oct 2018	62/750555		
END9027USNP1	United States Of America	19 Dec 2018	16/225140	US-2019-0200977	
END9027USPSP1	United States Of America	18 Dec 2018	62/781407		
END9028USNP1	United States Of America	14 Dec 2018	16/220281	US-2019-0201025-A1	
END9028USNP2	United States Of America	14 Dec 2018	16/220301	US-2019-0201027	
END9028USNP3	United States Of America	14 Dec 2018	16/220313	US2019-0201030-A1	
END9028USPSP1	United States Of America	12 Dec 2018	62/778571		
END9029USNP1	United States Of America	14 Dec 2018	16/220296	US-2019-0201026-A1	
END9029USNP2	United States Of America	14 Dec 2018	16/220309	US-2019-0201028	
END9029USNP3	United States Of America	14 Dec 2018	16/220318	US-2019-0201029-A1	

SCHEDULE A

END9029USPSP1	United States Of America	12 Dec 2018	62/778572		
END9030USNP1	United States Of America	14 Dec 2018	16/220273	US-2019-0201023-A1	
END9031USDP1	United States Of America	13 Aug 2018	29/659843		D913495
END9032USNP2	United States Of America	06 Nov 2018	16/182231	US-2019-0201122-A1	10758310
END9032USPSP1	United States Of America	10 Sep 2018	62/729186		
END9033USNP1	United States Of America	04 Dec 2018	16/209491	US-2019-0200998	
END9033USPSP1	United States Of America	30 Nov 2018	62/773742		
END9034USNP2	United States Of America	06 Nov 2018	16/182234	US-2019-0200997-A1	
END9034USPSP1	United States Of America	10 Sep 2018	62/729185		
END9035USNP1	United States Of America	06 Nov 2018	16/182235	US-2019-0201044-A1	
END9035USPSP1	United States Of America	10 Sep 2018	62/729195		
END9038USNP1	United States Of America	05 Sep 2019	16/562144	US 2020-0078106	
END9038USNP2	United States Of America	05 Sep 2019	16/562151	US 2020-0078110	
END9038USNP3	United States Of America	05 Sep 2019	16/562157	US 2020-0081585	
END9038USPSP1	United States Of America	07 Sep 2018	62/728480		
END9043USNP1	United States Of America	19 Dec 2018	16/224883	US-2020-0197154	
END9048USNP1	United States Of America	04 Apr 2019	16/375338	US2020-0315685A1	
END9049USNP1	United States Of America	04 Apr 2019	16/375375	US2020-0315689A1	
END9050USNP1	United States Of America	04 Apr 2019	16/375534	US-2020-0315692-A1	
END9051USNP1	United States Of America	04 Apr 2019	16/375492	US2020-0315691A1	
END9052USNP3	United States Of America	15 Mar 2019	16/354422	US 2020-0289216	
END9056USDP1	United States Of America	15 Nov 2018	29/670383		D895112
END9060USNP1	United States Of America	31 May 2019	16/427818	US-2020-0375674	
END9061USNP1	United States Of America	16 Apr 2019	16/385426	US-2020-0330120-A1	
END9062USCNT1	United States Of America	20 May 2021	17/325504		
END9063USNP1	United States Of America	17 Apr 2019	16/386516	US-2020-0330174-A1	
END9066USNP1	United States Of America	26 Apr 2019	16/395710	US2020-0337790A1	
END9067USNP1	United States Of America	05 Sep 2019	16/562123	US2020-0100830A1	
END9067USPSP1	United States Of America	29 Mar 2019	62/826587		
END9068USNP1	United States Of America	05 Sep 2019	16/562135	US 2020-0078076	
END9068USNP2	United States Of America	05 Sep 2019	16/562180	US-2020-0078070	
END9068USNP3	United States Of America	05 Sep 2019	16/562184	US 2020-0078081	
END9068USNP4	United States Of America	05 Sep 2019	16/562188	US 2020-0078116	
END9068USNP5	United States Of America	05 Sep 2019	16/562195	US 2020-0078117	
END9068USNP6	United States Of America	05 Sep 2019	16/562202	US 2020-0078082	
END9068USPSP1	United States Of America	29 Mar 2019	62/826592		
END9069USNP1	United States Of America	05 Sep 2019	16/562142	US-2020-0078070	
END9069USNP2	United States Of America	05 Sep 2019	16/562169	US 2020-0078112	
END9069USNP3	United States Of America	05 Sep 2019	16/562185	US 2020-0078115	
END9069USNP4	United States Of America	05 Sep 2019	16/562203	US 2020-0078118	
END9069USNP5	United States Of America	05 Sep 2019	16/562212	US 2020-0078119	
END9069USNP6	United States Of America	05 Sep 2019	16/562234	US-2020-0305945-A1	
END9069USPSP1	United States Of America	29 Mar 2019	62/826584		
END9070USNP10	United States Of America	05 Sep 2019	16/562175	US-2020-0078071-A1	
END9070USNP11	United States Of America	05 Sep 2019	16/562177	US-2020-0078114-A1	
END9070USNP2	United States Of America	05 Sep 2019	16/562137	US2020-0106220A1	

SCHEDULE A

END9070USNP3	United States Of America	05 Sep 2019	16/562143	US 2020-0090808	
END9070USNP5	United States Of America	05 Sep 2019	16/562154	US-2020-0078089	
END9070USNP7	United States Of America	05 Sep 2019	16/562167	US-2020-0078078	
END9070USNP8	United States Of America	05 Sep 2019	16/562170	US-2020-0078079	
END9070USPSP1	United States Of America	29 Mar 2019	62/826588		
END9071USCNT1	United States Of America	11 May 2021	17/316920		
END9071USNP1	United States Of America	28 Dec 2018	16/235617	US2020-0205825A1	11033269
END9072USNP1	United States Of America	28 Dec 2018	16/235630	US2020-0205826A1	
END9077USNP1	United States Of America	27 Dec 2018	16/234252	US-2019-0191975-A1	
END9081USDP1	United States Of America	28 Dec 2018	29/675199		
END9082USNP1	United States Of America	28 Dec 2018	16/234727	US2020-0205810A1	
END9086USNP1	United States Of America	26 Apr 2019	16/395357	US-2020-0337698-A1	
END9087USNP1	United States Of America	26 Apr 2019	16/395358	US2020-0337699A1	
END9088USNP1	United States Of America	26 Apr 2019	16/395359	US-2020-0337700-A1	
END9089USDP1	United States Of America	26 Apr 2019	29/689028		
END9090USNP1	United States Of America	26 Apr 2019	16/395364	US2020-0337701A1	
END9091USNP3	United States Of America	26 Sep 2019	16/583381	US-2020-0281593	
END9091USNP4	United States Of America	26 Sep 2019	16/583386	US-2020-0281594	
END9091USNP5	United States Of America	26 Sep 2019	16/583387	US-2020-0281595	
END9091USPSP1	United States Of America	08 Mar 2019	62/815678		
END9098USNP1	United States Of America	04 Apr 2019	16/375426	US2020-0315690A1	
END9103USPSP1	United States Of America	30 Jan 2019	62/798651		
END9103USPSP2	United States Of America	30 Apr 2019	62/840602		
END9110USNP1	United States Of America	27 Jun 2019	16/454751	US 2020-0405417	
END9111USNP1	United States Of America	27 Jun 2019	16/454760	US-2020-0405407-A1	
END9111USNP2	United States Of America	27 Jun 2019	16/454769	US-2020-0405422-A1	
END9119USNP1	United States Of America	30 Jun 2019	16/458107	US2020-0405311A1	
END9128USNP1	United States Of America	18 Sep 2019	16/574773	US2021-0077111A1	
END9129USNP1	United States Of America	18 Sep 2019	16/574797	US2021-0077112A1	
END9133USNP1	United States Of America	28 Jun 2019	16/456746	US2020-0405290A1	
END9134USNP1	United States Of America	28 Jun 2019	16/456792	US2020-0405308A1	
END9136USNP1	United States Of America	28 Jun 2019	16/456781	US2020-0405306A1	
END9137USNP1	United States Of America	28 Jun 2019	16/456785	US2020-0405307A1	
END9138USNP1	United States Of America	28 Jun 2019	16/456734	US2020-0405293A1	
END9141USNP1	United States Of America	28 Jun 2019	16/456783	US2020-0405295A1	
END9143USNP1	United States Of America	28 Jun 2019	16/456724	US 2020-0405292	
END9144USNP1	United States Of America	28 Jun 2019	16/456764	US-2020-0405294-A1	
END9152USNP1	United States Of America	30 Jun 2019	16/458116	US-2020-0410180	
END9162USNP1	United States Of America	30 Sep 2019	16/587744		
END9163USNP1	United States Of America	21 Aug 2019	16/547270	US-2021-0052343-A1	
END9164USNP1	United States Of America	30 Aug 2019	16/556661	US-2021-0059709	
END9170USDP1	United States Of America	25 Jun 2019	29/696066		
END9170USDP2	United States Of America	25 Jun 2019	29/696067		
END9170USDP3	United States Of America	25 Jun 2019	29/696072		
END9170USNP11	United States Of America	26 Jun 2019	16/453391	US-2020-0261077	
END9170USNP12	United States Of America	26 Jun 2019	16/453413	US-2020-0261087	

SCHEDULE A

END9170USNP13	United States Of America	26 Jun 2019	16/453423	US-2020-0261088-A1	
END9170USNP14	United States Of America	26 Jun 2019	16/453429	US-2020-0261089	
END9170USNP3	United States Of America	26 Jun 2019	16/453289	US-2020-0261082-A1	
END9170USNP5	United States Of America	26 Jun 2019	16/453310	US-2020-0261083	
END9170USNP6	United States Of America	26 Jun 2019	16/453330	US-2020-0261084	
END9170USNP7	United States Of America	26 Jun 2019	16/453335	US-2020-0261078	
END9170USNP9	United States Of America	26 Jun 2019	16/453355	US-2020-0261086	
END9170USPSP1	United States Of America	25 Jun 2019	62/866208		
END9171USDPD1	United States Of America	25 May 2021	29/785363		
END9180USCNT1	United States Of America	17 May 2021	17/322749		
END9180USNP3	United States Of America	24 Oct 2019	16/663263	US2020-0404129A1	
END9181USCNT2	United States Of America	12 Apr 2021	17/228583		
END9182USPSP1	United States Of America	20 Jun 2019	62/864207		
END9183USNP1	United States Of America	18 Dec 2019	16/719157	US-2020-0397350-A1	
END9183USNP2	United States Of America	18 Dec 2019	16/719173	US-2020-0402207-A1	
END9183USNP3	United States Of America	18 Dec 2019	16/719184	US-2020-0402208-A1	
END9183USNP4	United States Of America	18 Dec 2019	16/719209	US-2020-0402209-A1	
END9183USNP5	United States Of America	18 Dec 2019	16/719230	US-2020-0402210-A1	
END9183USNP6	United States Of America	18 Dec 2019	16/719242	US-2020-0400570-A1	
END9184USNP5	United States Of America	07 Jan 2020	16/735939	US2020-0400572A1	
END9186USNP4	United States Of America	21 Jan 2020	16/748522	US2020-0400566A1	
END9187USPSP1	United States Of America	20 Jun 2019	62/864231		
END9188USCNT1	United States Of America	06 May 2021	17/313513		
END9189USNP1	United States Of America	21 Feb 2020	16/797767	US-2020-0397264	
END9189USNP2	United States Of America	21 Feb 2020	16/797772	US-2020-0404141	
END9189USPSP1	United States Of America	20 Jun 2019	62/864236		
END9191USNP4	United States Of America	03 Mar 2020	16/807806	US-2020-0404189	
END9191USPSP1	United States Of America	20 Jun 2019	62/864245		
END9192USPSP1	United States Of America	20 Jun 2019	62/864251		
END9193USPSP1	United States Of America	20 Jun 2019	62/864256		
END9194USNP1	United States Of America	10 Apr 2020	16/845953	US-2020-0397303	
END9194USNP2	United States Of America	10 Apr 2020	16/845970	US-2020-0397259	
END9194USNP3	United States Of America	10 Apr 2020	16/845974	US-2020-0397239	
END9194USNP4	United States Of America	10 Apr 2020	16/845978	US-2020-0400833	
END9194USNP5	United States Of America	10 Apr 2020	16/845982	US-2020-0400834	
END9194USNP6	United States Of America	10 Apr 2020	16/845989	US-2020-0400835	
END9194USPSP1	United States Of America	20 Jun 2019	62/864268		
END9196USNP1	United States Of America	30 Aug 2019	16/556727	US-2021-0059711	
END9199USNP1	United States Of America	19 Dec 2019	16/720766		
END9200USNP1	United States Of America	19 Dec 2019	16/720776		
END9203USNP1	United States Of America	19 Dec 2019	16/720706		
END9203USNP2	United States Of America	19 Dec 2019	16/720725		
END9203USNP4	United States Of America	19 Dec 2019	16/720788		
END9204USNP3	United States Of America	19 Dec 2019	16/720747		
END9205USNP2	United States Of America	19 Dec 2019	16/720742		
END9206USNP1	United States Of America	09 Aug 2019	16/537005	US2021-0038223A1	

SCHEDULE A

END9207USDP1	United States Of America	09 Aug 2019	29/701300		
END9207USDP2	United States Of America	09 Aug 2019	29/701296		
END9208USDP1	United States Of America	09 Aug 2019	29/701285		
END9209USNP1	United States Of America	09 Jul 2019	16/506018	US-2021-0007752-A1	
END9210USDP1	United States Of America	09 Jul 2019	29/697469		D921895
END9215USDP1	United States Of America	05 Sep 2019	29/704617		
END9216USNP1	United States Of America	30 Dec 2019	16/729772		
END9217USNP1	United States Of America	30 Dec 2019	16/729747		
END9218USCNT1	United States Of America	29 Mar 2021	17/215235		
END9218USNP1	United States Of America	30 Dec 2019	16/729744		
END9220USCNT1	United States Of America	27 May 2021	17/332034		
END9222USCNT1	United States Of America	23 Mar 2021	17/209598		
END9222USCNT2	United States Of America	26 Mar 2021	17/214051		
END9222USCNT3	United States Of America	26 Mar 2021	17/214062		
END9226USNP1	United States Of America	30 Dec 2019	16/729790		
END9228USNP1	United States Of America	30 Dec 2019	16/729807		
END9230USDP2	United States Of America	04 Nov 2019	29/711847		
END9233USNP10	United States Of America	29 May 2020	16/887579		
END9234USNP13	United States Of America	28 May 2020	16/885888		
END9234USNP14	United States Of America	28 May 2020	16/885893		
END9234USNP15	United States Of America	28 May 2020	16/885900		
END9234USNP18	United States Of America	28 May 2020	16/885931		
END9234USNP2	United States Of America	28 May 2020	16/885820		
END9234USNP3	United States Of America	28 May 2020	16/885823		
END9234USNP9	United States Of America	28 May 2020	16/885870		
END9235USNP7	United States Of America	08 Jun 2020	16/895307		
END9235USPSP1	United States Of America	30 Dec 2019	62/955306		
END9236USPSP1	United States Of America	16 Sep 2019	62/900708		
END9236USPSP2	United States Of America	10 Oct 2019	62/913227		
END9244USDP1	United States Of America	02 Jun 2020	29/736653		
END9244USDP2	United States Of America	02 Jun 2020	29/736654		
END9244USDP3	United States Of America	02 Jun 2020	29/736655		
END9245USNP1	United States Of America	17 Jul 2020	16/931495		
END9246USNP1	United States Of America	22 Mar 2021	17/208339		
END9246USNP2	United States Of America	22 Mar 2021	17/208347		
END9246USNP3	United States Of America	22 Mar 2021	17/208357		
END9246USNP4	United States Of America	22 Mar 2021	17/208362		
END9246USNP5	United States Of America	22 Mar 2021	17/208380		
END9246USNP6	United States Of America	22 Mar 2021	17/208385		
END9246USNP7	United States Of America	22 Mar 2021	17/208390		
END9246USNP8	United States Of America	22 Mar 2021	17/208397		
END9247USNP1	United States Of America	26 Mar 2021	17/213302		
END9247USNP10	United States Of America	26 Mar 2021	17/213508		
END9247USNP11	United States Of America	26 Mar 2021	17/213518		
END9247USNP2	United States Of America	26 Mar 2021	17/213304		
END9247USNP3	United States Of America	26 Mar 2021	17/213401		

SCHEDULE A

END9247USNP4	United States Of America	26 Mar 2021	17/213409		
END9247USNP5	United States Of America	26 Mar 2021	17/213415		
END9247USNP6	United States Of America	26 Mar 2021	17/213426		
END9247USNP7	United States Of America	26 Mar 2021	17/213431		
END9247USNP8	United States Of America	26 Mar 2021	17/213434		
END9247USNP9	United States Of America	26 Mar 2021	17/213437		
END9247USPSP2	United States Of America	01 May 2020	63/018601		
END9247USPSP5	United States Of America	01 May 2020	63/018650		
END9247USPSP6	United States Of America	01 May 2020	63/018652		
END9248USPSP1	United States Of America	28 Jul 2020	63/057430		
END9248USPSP2	United States Of America	28 Jul 2020	63/057432		
END9253USCNT1	United States Of America	02 Apr 2021	17/221107		
END9259USNP1	United States Of America	10 Jul 2020	16/925387		
END9260USNP1	United States Of America	10 Jul 2020	16/925448		
END9262USNP1	United States Of America	29 May 2020	16/887140		
END9263USNP1	United States Of America	29 May 2020	16887182		
END9267USNP1	United States Of America	31 Jul 2020	16/945042		
END9268USNP1	United States Of America	29 Oct 2020	17/084179		
END9269USNP1	United States Of America	29 Oct 2020	17/084190		
END9270USNP1	United States Of America	29 Oct 2020	17/084198		
END9271USNP1	United States Of America	29 Oct 2020	17/084205		
END9272USNP1	United States Of America	29 Oct 2020	17/084258		
END9276USNP1	United States Of America	29 Oct 2020	17/084180		
END9277USDP1	United States Of America	29 Oct 2020	29/756615		
END9278USDP1	United States Of America	29 Oct 2020	29/756620		
END9283USPSP1	United States Of America	01 May 2020	63/018883		
END9283USPSP2	United States Of America	01 May 2020	63/018912		
END9284USNP1	United States Of America	16 Apr 2021	17/233173		
END9286USNP1	United States Of America	16 Sep 2020	17/022186		
END9286USNP2	United States Of America	16 Sep 2020	17/022209		
END9286USNP3	United States Of America	16 Sep 2020	17/022214		
END9286USNP5	United States Of America	16 Sep 2020	17/022419		
END9286USNP6	United States Of America	16 Sep 2020	17/022442		
END9286USNP7	United States Of America	16 Sep 2020	17/022520		
END9295USNP14	United States Of America	26 Feb 2021	17/186438		
END9295USNP15	United States Of America	26 Feb 2021	17/186451		
END9295USNP4	United States Of America	26 Feb 2021	17/186283		
END9295USNP5	United States Of America	26 Feb 2021	17/186345		
END9297USNP1	United States Of America	30 Apr 2021	17/246010		
END9297USNP10	United States Of America	30 Apr 2021	17/246080		
END9297USNP11	United States Of America	30 Apr 2021	17/246089		
END9297USNP12	United States Of America	30 Apr 2021	17/246095		
END9297USNP13	United States Of America	30 Apr 2021	17/246101		
END9297USNP14	United States Of America	30 Apr 2021	17/246118		
END9297USNP15	United States Of America	30 Apr 2021	17/246134		
END9297USNP16	United States Of America	30 Apr 2021	17/246141		

SCHEDULE A

END9297USNP2	United States Of America	30 Apr 2021	17/246017		
END9297USNP3	United States Of America	30 Apr 2021	17/246019		
END9297USNP4	United States Of America	30 Apr 2021	17/246022		
END9297USNP5	United States Of America	30 Apr 2021	17/246030		
END9297USNP6	United States Of America	30 Apr 2021	17/246040		
END9297USNP7	United States Of America	30 Apr 2021	17/246055		
END9297USNP8	United States Of America	30 Apr 2021	17/246067		
END9297USNP9	United States Of America	30 Apr 2021	17/246073		
END9298USNP1	United States Of America	24 Mar 2021	17/211145		
END9298USNP10	United States Of America	24 Mar 2021	17/211207		
END9298USNP11	United States Of America	24 Mar 2021	17/211210		
END9298USNP12	United States Of America	24 Mar 2021	17/211222		
END9298USNP13	United States Of America	24 Mar 2021	17/211230		
END9298USNP14	United States Of America	24 Mar 2021	17/211242		
END9298USNP2	United States Of America	24 Mar 2021	17/211161		
END9298USNP3	United States Of America	24 Mar 2021	17/211168		
END9298USNP4	United States Of America	24 Mar 2021	17/211172		
END9298USNP5	United States Of America	24 Mar 2021	17/211175		
END9298USNP6	United States Of America	24 Mar 2021	17/211182		
END9298USNP7	United States Of America	24 Mar 2021	17/211189		
END9298USNP8	United States Of America	24 Mar 2021	17/211192		
END9298USNP9	United States Of America	24 Mar 2021	17/211197		
END9305USNP1	United States Of America	10 Feb 2021	17/172518		
END9311USPSP1	United States Of America	10 May 2021	63/186519		
END9313USNP1	United States Of America	30 Mar 2021	17/217252		
END9313USNP10	United States Of America	30 Mar 2021	17/216960		
END9313USNP2	United States Of America	30 Mar 2021	17/216977		
END9313USNP3	United States Of America	30 Mar 2021	17/216978		
END9313USNP4	United States Of America	30 Mar 2021	17/216982		
END9313USNP5	United States Of America	30 Mar 2021	17/216985		
END9313USNP6	United States Of America	30 Mar 2021	17/216994		
END9313USNP7	United States Of America	30 Mar 2021	17/216914		
END9313USNP8	United States Of America	30 Mar 2021	17/216946		
END9313USNP9	United States Of America	30 Mar 2021	17/216953		
END9315USNP1	United States Of America	30 Mar 2021	17/217403		
ETH1690USCNT4	United States Of America	11 Feb 2019	16/272671	US-2019-0239875	
ETH5434USCNT2	United States Of America	24 Oct 2014	14/522680	US-2015-0080919	9855041
ETH5670USCNT1	United States Of America	27 Mar 2007	11/691845	US-2007-0187861	7913365
ETH5670USCNT10	United States Of America	20 Dec 2010	12/972802	US-2011-0093010	8926659
ETH5670USCNT12	United States Of America	04 Aug 2010	12/850397	US-2010-0294103	7996967
ETH5670USCNT3	United States Of America	04 Aug 2010	12/850408	20100313729	
ETH5670USCNT4	United States Of America	04 Aug 2010	12/850433	US-2010-0294107	8015678
ETH5670USCNT5	United States Of America	04 Aug 2010	12/850447	US-2010-0294104	7996968
ETH5670USCNT6	United States Of America	04 Aug 2010	12/850455	US-2010-0294105	8011072
ETH5670USCNT7	United States Of America	04 Aug 2010	12/850467	US-2010-0294106	8028387
ETH5670USCNT8	United States Of America	04 Aug 2010	12/850480	US-2010-0313723	8028388

SCHEDULE A

ETH5670USCNT9	United States Of America	04 Aug 2010	12/850498	US-2010-0313730	8020263
ETH5670USNP	United States Of America	31 Aug 2001	09/943733	US-2003-0041426	6848152
ETH5670USPCT	United States Of America	29 Aug 2002	10/486123	US-2004-0237736	7225512
ETH5673USCNT1	United States Of America	22 Dec 2011	13/335220	US-2013-0165971-A1	9248580
ETH5673USNP	United States Of America	30 Sep 2002	10/065279	US-2004-0060409	8100940
ETH5675USNP	United States Of America	13 May 2003	10/437144	US-2004-0226427-A1	7624487
ETH5675USPCT	United States Of America	13 May 2004	10/556419	US-2007-0065663-A1	8032996
ETH5676USCNT1	United States Of America	04 Aug 2010	12/849956	US-2010-0298871-A1	
ETH5676USCNT2	United States Of America	12 Mar 2013	13/796762	US-2013-0245684-A1	8721664
ETH5676USCNT3	United States Of America	07 May 2018	15/972872	US 2018-0325512	10779815
ETH5676USCNT4	United States Of America	25 Aug 2020	17/001812	US-2020-0397431-A` 1	
ETH5676USNP	United States Of America	16 May 2005	10/908539	US-2005-0267531-A1	10548592
ETH5676USPSP	United States Of America	14 May 2004	60/521528		
ETH5680USPCT	United States Of America	30 Jan 2009	12/865290	US-2011-0106152-A1	8875607
ETH5680USPSP	United States Of America	30 Jan 2008	61/006777		
ETH5681USNP	United States Of America	03 Apr 2008	12/062214	US-2008-0255611-A1	8915943
ETH5681USNP1	United States Of America	03 Apr 2008	12/062256	US-2008-0255612-A1	
ETH5681USNP2	United States Of America	11 Apr 2008	12/101885	US-2009-0012560-A1	8793863
ETH5681USPSP	United States Of America	13 Apr 2007	60/911814		
ETH5682USPCT	United States Of America	10 Sep 2008	12/677505	US-2011-0056859-A1	8459446
ETH5682USPSP	United States Of America	10 Sep 2007	60/971135		
ETH5688USPCT	United States Of America	19 Dec 2008	12/808081	US-2011-0046668-A1	8771313
ETH5688USPSP	United States Of America	19 Dec 2007	61/015143		
ETH5698USNP	United States Of America	25 Feb 2009	12/392945		8216273
ETH5698USPSP	United States Of America	25 Feb 2008	61/031274		
ETH5700USPCT	United States Of America	24 Apr 2009	12/988841	US-2011-0125188-A1	
ETH5700USPSP	United States Of America	24 Apr 2008	61/047682		
ETH5702USPCT	United States Of America	14 Apr 2009	12/937776	US-2001-0288583	8876865
ETH5702USPSP	United States Of America	15 Apr 2008	61/045075		
ETH5704USCNT1	United States Of America	15 Dec 2014	14/570066	US-2015-0100072-A1	10441270
ETH5704USCNT2	United States Of America	03 Oct 2019	16/591730	US2020-0060675A1	
ETH5704USPCT	United States Of America	03 Nov 2009	13/127220	US-2012-0101522	8932328
ETH5704USPSP	United States Of America	03 Nov 2008	61/110952		
ETH5705USPCT	United States Of America	16 Nov 2010	13/509919	US-2013-0226234-A1	
ETH5705USPSP	United States Of America	16 Nov 2009	61/261660		
ETH5706USPCT	United States Of America	02 May 2013	13/883066	US-2013-0317545-A1	11007296
ETH5706USPSP	United States Of America	29 Oct 2009	61/256300		
ETH5706USPSP1	United States Of America	02 Nov 2009	61/257233		
ETH5706USPSP2	United States Of America	03 Nov 2010	61/409731		
ETH5709USPCT	United States Of America	10 Jun 2011	13/814171	US-2014-0039527-A1	9955962
ETH5709USPSP	United States Of America	11 Jun 2010	61/354009		
ETH5711USCNT1	United States Of America	14 Dec 2016	15/378366	US-2017-0189016-A1	10952721
ETH5711USCNT2	United States Of America	13 Aug 2019	16/539263	US2020-0060679A1	
ETH5711USPCT	United States Of America	04 May 2011	13/695112	US-2013-0180966-A1	
ETH5711USPCT1	United States Of America	29 Oct 2012	13/695089	US-2013-0238022-A1	10420546
ETH5711USPSP	United States Of America	04 May 2010	61/331294		

SCHEDULE A

ETH5711USPSP1	United States Of America	04 May 2010	61/331302		
ETH5712USPCT	United States Of America	05 May 2011	13/695129	US-2013-0204295-A1	
ETH5712USPSP	United States Of America	05 May 2010	61/331629		
ETH5714USCNT1	United States Of America	28 Oct 2019	16/665102	US-2020-0093483-A1	
ETH5714USNP	United States Of America	23 Mar 2012	13/429150		10492780
ETH5714USPSP	United States Of America	23 Mar 2011	61/466924		
ETH5715USDIV1	United States Of America	11 Sep 2015	14/851057	US2016-0000435	10188384
ETH5715USNP	United States Of America	05 Jun 2012	13/488527	US-2013-0172931-A1	
ETH5715USPSP	United States Of America	06 Jun 2011	61/493941		
ETH5805USPSP	United States Of America	13 Jul 2016	62/361647		
ETH5821USNP	United States Of America	28 May 2015	14/723796	US2016-0074602	10183132
ETH5821USPSP	United States Of America	11 Sep 2014	62/048883		
ETH5875USCNT1	United States Of America	22 Jun 2020	16/908387	US-2020-0316338	
ETH5875USDP	United States Of America	14 Feb 2018	29/637139		
ETH5875USNP	United States Of America	28 Dec 2016	15/392970	US-2018-0177978	10737058
ETH5893USNP	United States Of America	27 Sep 2016	15/277392	US-2018-0085124	10492791
ETH5894USDIV1	United States Of America	12 Jul 2019	16/510033	US-2019-0328396	11020121
ETH5909USNP1	United States Of America	02 Aug 2018	16/053221	US-2019-0083093	
ETH5909USPSP	United States Of America	15 Sep 2017	62/559267		
ETH5936USNP	United States Of America	05 Mar 2018	15/911859	US-2019-0269818	10980913