506587708 04/01/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6634490

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
OSRAM OPTO SEMICONDUCTORS GMBH	12/18/2019

RECEIVING PARTY DATA

Name:	OSRAM OLED GMBH
Street Address:	LEIBNIZSTR. 4
City:	REGENSBURG
State/Country:	GERMANY
Postal Code:	93055

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17219943

CORRESPONDENCE DATA

Fax Number: (215)656-3301

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Correspondent Name: IP GROUP OF DLA PIPER LLP (US)

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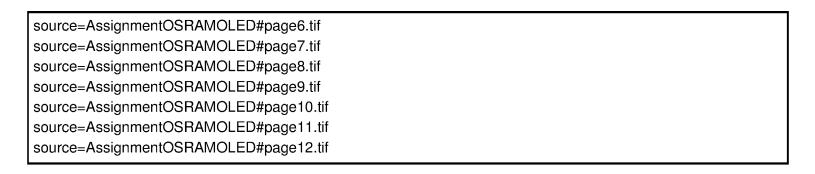
ATTORNEY DOCKET NUMBER: WAB-17-1395DIV/386863-218	
NAME OF SUBMITTER:	LESLIE J. HOOD
SIGNATURE:	/LJH/
DATE SIGNED:	04/01/2021

Total Attachments: 12

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> PATENT REEL: 055793 FRAME: 0354

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PATENT REEL: 055793 FRAME: 0355

ASSIGNMENT

In consideration of One Dollar and other good and valuable consideration of which receipt is hereby acknowledged, OSRAM Opto Semiconductors GmbH ("Assignor"), a German Corporation, sells and assigns to OSRAM OLED GmbH ("Assignee"), a German Corporation, its successors, assigns, and nominees, all its rights, title, and interest in the inventions in the patent applications in the list attached hereto, and in the patent applications, where each patent application is identified by attorney docket number, priority date, filing date, and application serial number received upon filing, including all provisional applications from which priority is claimed, and all other applications from which priority is claimed, and the right to claim the priority right(s) from all such applications, and all United States, international, and non-United States applications that may claim priority therefrom and include the subject matter disclosed therein, and all Patents, both foreign and domestic, which may be granted therefor, and all divisions, reissues, continuations, and extensions thereof, and authorize and request the various non-United States patent entities and the Commissioner of Patents and Trademarks to issue all Patents on said patent applications or resulting therefrom to Assignee as assignee of Assignor's entire interest, and covenants that Assignor has full right to do so and agrees that Assigner will communicate to Assignee or its representatives any facts known to Assignor respecting said patent applications and have its employees testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths or declarations, and generally do everything possible to aid Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for the inventions contained in the patent applications, in the United States and all other countries.

Assignor:		emiconductors G r , 930% Regensbur _t			
Anstroneisans	Signatures: //		, 02.00.00 12	Marine .	
W	Minister Construction South States	Dr. Robert Sc Menager Intellectual Pro	L'ate:	1 & 312. 2	10
Assignee:	OSRAM OLED Wernerwerkstr	GmilH Se 2, 94049 Regen	sbjiry, GERMAN		ter than a lan
Authorized	Signatures		<u> </u>		holygicz urgwy Lex
Names:	······································	Mariaeli 47.441.	Date	0,12,12, Superioris de la companya de la comp	velon aar
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Attorney Docket Number	Priority date	Filing date	Application number
2008P16992US01	June 6, 2008	June 3, 2009	16/041,343
2008P17010US01	July 29, 2008	July 15, 2009	15/788,645
2011P04113US	April 7, 2011	March 1, 2012	16/033,419
2011P09009US02	May 25, 2011	May 17, 2016	16/155,634
2011P23643US	November 30, 2011	November 19, 2012	15/649,437
2011P24068WOUS	February 27, 2012	February 18, 2013	14/377,508
2012P07606US	October 4, 2012	September 30, 2013	15/823,431
2012P12196US	September 5, 2012	August 28, 2013	15/487,277
2012P12196WOUS	September 5, 2012	August 28, 2013	14/426,072
2012P18574US	September 27, 2012	September 27, 2013	15/210,174
2012P20134WOUS	April 10, 2013	March 28, 2014	14/780,982
2012P21596US	October 10, 2012	October 8, 2013	15/484,499
2013P00598WOUS	May 28, 2013	May 27, 2014	14/892,242
2013P00857US	November 14, 2013	October 30, 2014	16/240,584
2013P01066WOUS	November 8, 2013	November 4, 2014	15/033,664
2013P01290WOUS	March 4, 2014	March 3, 2015	15/122,680
2013P01716WOUS	April 1, 2016	March 24, 2017	16/090,566
2013P02109US	February 17, 2014	February 13, 2015	16/384,550
2013P02271WOUS	June 13, 2014	June 9, 2015	15/318,660
2013P02289WOUS	June 5, 2014	June 2, 2015	15/316,144
2014P00014US	February 24, 2014	February 16, 2015	16/386,879
2014P00108US	August 5, 2014	August 4, 2015	15/8 77, 270
2014P00173US	June 13, 2014	June 11, 2015	15/829,757
2014P00244WOUS	June 12, 2014	June 11, 2015	15/31 7, 959
2014P00493WOUS	May 21, 2014	May 19, 2015	15/312,169
2014P00531WOUS	March 26, 2014	March 19, 2015	15/129,406
2014P00636WOUS	November 4, 2014	October 16, 2015	15/524,036
2014P00637WOUS	July 11, 2014	May 29, 2015	15/325,450
2014P00708US	September 4, 2014	September 2, 2015	16/006,765
2014P00867WOUS	June 6, 2014	June 3, 2015	15/313,303
2014P00901WOUS	May 11, 2015	April 28, 2016	15/572,486
2014P00917WOUS	November 17, 2014	November 13, 2015	15/527,320
2014P00995WOUS	September 30, 2014	September 22, 2015	15/514,652
2014P01012WOUS	May 27, 2014	May 22, 2015	15/307,815
2014P01120WOUS	October 16, 2014	October 15, 2015	15/518,019
2014P01177US	December 4, 2014	December 3, 2015	16/660,008
2014P01177WOUS	December 4, 2014	December 3, 2015	15/526,495
2014P01356WOUS	December 4, 2014	December 2, 2015	15/533,025
2014P01396WOUS	February 19, 2015	February 10, 2016	15/552,181
2014P01400WOUS	August 28, 2014	August 25, 2015	15/501,119

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PATENT REEL: 051**/94/TER/4**ME: 0518 REEL: 055793 FRAME: 0357

Attorney Docket			Application
Number	Priority date	Filing date	number
2014P01408WOUS	February 20, 2015	February 19, 2016	15/552,258
2014P01458WOUS	November 20, 2014	November 11, 2015	15/527,402
2014P01487WOUS	November 12, 2014	October 21, 2015	15/520,666
2014P01497WOUS	April 16, 2015	April 15, 2016	15/566,575
2014P01514WOUS	August 14, 2015	August 11, 2016	15/7 52, 4 55
2014P01526US	May 13, 2016	May 13, 2016	15/154,576
2014P01534WOUS	January 28, 2015	January 26, 2016	15/543,881
2014P01587WOUS	February 19, 2015	February 17, 2016	15/552,470
2014P01601WOUS	December 10, 2014	December 4, 2015	15/534,155
2014P01637US	September 29, 2014	September 1, 2015	16/240,142
2014P01723WOUS	January 29, 2015	January 29, 2016	15/547,789
2014P01728WOUS	May 18, 2015	May 17, 2016	15/574,926
2014P01738WOUS	March 20, 2015	March 17, 2016	15/557,589
2014P01742WOUS	May 12, 2015	May 10, 2016	15/572,551
2014P01744WOUS	February 10, 2015	January 11, 2016	15/550,008
2014P01818WOUS	January 19, 2015	January 11, 2016	15/544,267
2014P01826WOUS	June 18, 2015	June 15, 2016	15/737,738
2014P01911WOUS	November 28, 2014	November 19, 2015	15/531,342
2014P01962WOUS	April 10, 2015	April 6, 2016	15/564,499
2014P01980WOUS	September 24, 2015	September 19, 2016	15/762,126
2014P02066WOUS	July 6, 2015	June 7, 2016	15/742,445
2014P02078US	March 26, 2015	March 24, 2016	16/660,449
2014P02078WOUS	March 26, 2015	March 24, 2016	15/561,509
2014P02079WOUS	May 13, 2015	May 6, 2016	15/573,529
2014P02120WOUS	April 10, 2015	April 7, 2016	15/565,239
2014P02151US	March 27, 2015	March 29, 2016	16/196,915
2014P02227WOUS	June 19, 2015	June 16, 2016	15/737,999
2015P00093WOUS	June 18, 2015	June 14, 2016	15/735,990
2015P00099WOUS	June 18, 2015	June 15, 2016	15/579,561
2015P00138WOUS	July 15, 2015	July 4, 2016	15/741,731
2015P00139WOUS	July 16, 2015	July 7, 2016	15/743,606
2015P00147WOUS	July 28, 2015	July 20, 2016	15/747,447
2015P00164WOUS	June 18, 2015	June 16, 2016	15/737,724
2015P00182WOUS	August 6, 2015	August 2, 2016	15/749,656
2015P00190WOUS	September 2, 2015	August 30, 2016	15/757,141
2015P00226WOUS	July 8, 2015	July 7, 2016	15/742,871
2015P00257WOUS	July 28, 2015	July 20, 2016	15/747,455
2015P00291WOUS	July 15, 2015	July 11, 2016	15/742,106
2015P00334WOUS	March 23, 2015	March 23, 2016	15/560,693
2015P00380WOUS	July 20, 2015	July 13, 2016	15/745,940
2015P00385WOUS	October 5, 2015	October 5, 2016	15/765,836

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PATENT REEL: 051#64 ERAME: 0519 REEL: 055793 FRAME: 0358

Attorney Docket			Application
Number	Priority date	Filing date	number
2015P00391WOUS	September 23, 2015	September 15, 2016	15/761,585
2015P00396WOUS	July 28, 2015	July 14, 2016	15/747,188
2015P00488WOUS	August 6, 2015	August 6, 2015	15/750,316
2015P00541WOUS	July 28, 2015	July 20, 2016	15/747,165
2015P00561WOUS	May 4, 2015	May 4, 2016	15/571,084
2015P00610WOUS	August 24, 2015	August 22, 2016	15/755,013
2015P00725WOUS	September 2, 2015	August 30, 2016	15/756,651
2015P00726WOUS	May 28, 2015	April 28, 2016	15/576,043
2015P00742WOUS	May 7, 2015	May 6, 2016	15/572,449
2015P00775WOUS	September 18, 2015	September 8, 2016	15/757,289
2015P00779WOUS	September 18, 2015	September 16, 2016	15/760,844
2015P00823WOUS	September 21, 2015	September 14, 2016	15/760,209
2015P00840WOUS	September 17, 2015	September 8, 2016	15/755,527
2015P00868WOUS	September 18, 2015	September 8, 2016	15/757,970
2015P00902WOUS	September 17, 2015	September 15, 2016	15/761,048
2015P00931WOUS	October 15, 2015	October 14, 2016	15/768,049
2015P00938WOUS	July 13, 2015	July 13, 2016	15/741,860
2015P00946WOUS	October 6, 2015	October 4, 2016	15/759,972
2015P01091WOUS	September 28, 2015	September 27, 2016	15/761,419
2015P01094WOUS	October 1, 2015	September 29, 2016	15/764,411
2015P01095WOUS	November 6, 2015	November 4, 2016	15/773,592
2015P01096WOUS	June 25, 2015	June 22, 2016	15/738,058
2015P01146WOUS	October 6, 2015	September 29, 2016	15/765,997
2015P01177WOUS	October 26, 2015	October 24, 2016	15/770,334
2015P01229WOUS	January 14, 2016	January 12, 2017	16/069,204
2015P01233WOUS	December 14, 2015	December 14, 2016	16/061,358
2015P01236WOUS	October 6, 2015	September 29, 2016	15/765,706
2015P01253WOUS	November 10, 2015	November 10, 2016	15/775,038
2015P01259WOUS	January 28, 2016	January 26, 2017	16/072,993
2015P01289WOUS	September 18, 2015	September 15, 2016	15/760,027
2015P01290WOUS	August 27, 2015	August 23, 2016	15/754,333
2015P01386WOUS	August 31, 2015	August 26, 2016	15/756,025
2015P01392WOUS	August 12, 2015	July 22, 2016	15/750,565
2015P01397WOUS	April 8, 2016	April 7, 2017	16/091,321
2015P01503WOUS	October 5, 2015	September 29, 2016	15/765,474
2015P01529WOUS	November 24, 2015	November 16, 2016	15/778,416
2015P01568WOUS	December 3, 2015	November 30, 2016	15/779,251
2015P01571WOUS	March 10, 2016	March 9, 2017	16/083,114
2015P01571WOUS	January 4, 2016	December 29, 2016	16/067,364
2015P01573WOUS	March 3, 2016	March 3, 2017	16/081,881
2015P01574WOUS	February 4, 2016	February 3, 2017	16/074,925

PATENT REEL: 051**PATERA**ME: 0520 REEL: 055793 FRAME: 0359

Attorney Docket Number	Priority date	Filing date	Application number
2015P01575WOUS	December 1, 2015	November 29, 2016	15/779,310
2015P01642WOUS	December 22, 2015	December 20, 2016	16/065,371
2015P01649WOUS	December 7, 2015	October 4, 2016	16/060,021
2015P01654WOUS	February 26, 2016	February 24, 2017	16/079,542
2015P01666WOUS	January 11, 2016	January 10, 2017	16/066,552
2015P01677WOUS	January 26, 2016	January 24, 2017	16/068,051
2015P01703WOUS	February 15, 2016	February 7, 2017	16/068,200
2015P01750WOUS	October 28, 2015	October 28, 2016	15/771,827
2015P01776WOUS	November 13, 2015	November 11, 2016	15/775,574
2015P01786WOUS	March 10, 2016	February 24, 2017	16/083,103
2015P01805WOUS	November 19, 2015	November 17, 2016	15/777,633
2015P01806WOUS	January 29, 2016	January 26, 2017	16/073,605
2015P01831WOUS	May 17, 2016	May 16, 2017	16/302,569
2015P01921WOUS	March 7, 2016	April 13, 2017	16/094,870
2015P01956WOUS	January 29, 2016	January 12, 2017	16/073,574
2015P01958WOUS	February 22, 2016	February 21, 2017	16/078,561
2015P01959WOUS	October 1, 2015	September 29, 2016	15/764,938
2015P01962WOUS	January 29, 2016	January 23, 2017	16/071,876
2015P02014WOUS	February 25, 2016	February 24, 2017	16/079,749
2015P02019WOUS	February 25, 2016	February 23, 2017	16/079,678
2015P02106WOUS	November 12, 2015	November 10, 2016	15/775,148
2015P02143WOUS	April 14, 2016	April 12, 2017	16/092,422
2015P02151WOUS	March 24, 2016	March 23, 2017	16/087,949
2015P02210WOUS	November 12, 2015	November 12, 2015	15/775,584
2015P02216WOUS	August 11, 2016	August 4, 2017	16/323,412
2015P02218WOUS	February 25, 2016	February 24, 2017	16/079,370
2015P02243WOUS	February 25, 2016	February 22, 2017	16/067,955
2015P02244WOUS	May 20, 2016	May 18, 2017	16/303,571
2015P02250WOUS	February 25, 2016	February 24, 2017	15/775,817
2015P02251WOUS	March 8, 2016	March 1, 2017	16/079,280
2015P02275WOUS	March 9, 2016	February 10, 2017	16/081,402
2015P02357WOUS	March 21, 2016	March 17, 2017	16/086,824
2015P02366WOUS	August 23, 2016	August 23, 2017	16/326,731
2015P02389WOUS	May 13, 2016	May 10, 2017	16/097,769
2015P02394WOUS	November 27, 2015	November 22, 2016	15/778,645
2015P02395WOUS	March 18, 2016	March 16, 2017	16/085,934
2015P02427WOUS	March 14, 2016	March 13, 2017	16/075,853
2015P02428WOUS	April 8, 2016	April 7, 2017	16/091,172
2015P02432WOUS	November 30, 2015	November 25, 2016	15/769,693
2015P02473WOUS	March 23, 2016	March 22, 2017	16/087,646
2015P02477WOUS	April 1, 2016	March 29, 2017	16/086,828

PATENT REEL: 051**464 ER4**ME: 0521 REEL: 055793 FRAME: 0360

Attorney Docket			Application
Number	Priority date	Filing date	number
2015P02479WOUS	April 8, 2016	April 6, 2017	16/090,635
2015P02499WOUS	March 17, 2016	March 15, 2017	16/081,159
2015P02515WOUS	March 16, 2016	March 15, 2017	16/082,921
2015P02544WOUS	December 5, 2016	November 29, 2017	16/466,641
2015P02556WOUS	April 11, 2016	April 10, 2017	16/091,080
2015P02557WOUS	May 18, 2016	May 16, 2017	16/302,614
2015P02590US	April 27, 2017	April 27, 2017	15/499,598
2015P02629WOUS	April 13, 2016	April 6, 2017	16/092,026
2015P02630WOUS	May 17, 2016	May 9, 2017	16/098,212
2015P02669WOUS	April 11, 2016	April 10, 2017	16/090,795
2015P02671WOUS	May 20, 2016	May 11, 2017	16/300,661
2015P02672WOUS	September 13, 2016	September 7, 2017	16/332,964
2015P02731WOUS	May 12, 2016	May 11, 2017	16/098,283
2015P02753WOUS	April 13, 2016	April 13, 2017	16/092,480
2015P02754WOUS	March 8, 2016	March 2, 2017	16/071,253
2015P02793WOUS	April 14, 2016	April 10, 2017	16/092,507
2015P02813WOUS	May 11, 2016	May 10, 2017	16/098,172
2015P02838WOUS	April 14, 2016	March 27, 2017	16/092,495
2015P02890WOUS	October 28, 2016	October 25, 2017	16/345,449
2015P03045WOUS	April 26, 2016	April 26, 2017	16/095,426
2015P03052WOUS	May 25, 2016	May 23, 2017	16/303,887
2015P03060WOUS	October 25, 2016	October 25, 2017	16/335,632
2015P03069WOUS	January 27, 2016	January 17, 2017	16/072,865
2015P03076WOUS	May 25, 2016	May 23, 2017	16/303,719
2015P03080WOUS	March 30, 2017	March 15, 2018	16/489,835
2015P03081US01	May 13, 2016	May 12, 2017	16/528,307
2015P03082WOUS	May 11, 2016	April 27, 2017	16/099,644
2015P03084US01	May 13, 2016	May 12, 2017	16/452,015
2015P03085US	May 13, 2016	May 12, 2017	15/594,397
2015P03086WOUS	June 16, 2016	June 13, 2017	16/305,908
2015P03087WOUS	March 10, 2016	March 9, 2017	16/083,771
2016P00070WOUS	May 25, 2016	May 17, 2017	16/303,513
2016P00071WOUS	July 14, 2016	July 11, 2017	16/315,463
2016P00136WOUS	June 17, 2016	May 30, 2017	16/307,054
2016P00138WOUS	September 29, 2016	September 29, 2016	15/745,084
2016P00158WOUS	August 2, 2016	August 1, 2017	16/322,069
2016P00211WOUS	June 16, 2016	May 24, 2017	16/309,995
2016P00227WOUS	May 30, 2016	May 29, 2017	16/098,240
2016P00251WOUS	July 1, 2016	June 30, 2017	16/314,467
2016P00252WOUS	May 3, 2017	May 2, 2018	16/603,007
2016P00260WOUS	June 22, 2016	June 7, 2017	16/311,868

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PATENT REEL: 051464 ER4ME: 0522 REEL: 055793 FRAME: 0361

Attorney Docket	0 <u>200</u> 000 2 00 -		Application
Number	Priority date	Filing date	number
2016P00345WOUS	July 5, 2016	June 30, 2017	16/315,020
2016P00349WOUS	July 21, 2016	July 18, 2017	16/318,879
2016P00350WOUS	July 14, 2016	May 26, 2017	16/316,166
2016P00385WOUS	July 18, 2016	July 13, 2017	16/318,279
2016P00386WOUS	July 7, 2016	July 3, 2017	16/310,778
2016P00401WOUS	March 2, 2016	March 2, 2017	16/080,868
2016P00405WOUS	July 8, 2016	June 26, 2017	16/310,787
2016P00443WOUS	July 5, 2016	July 5, 2017	16/315,319
2016P00444WOUS	March 27, 2017	March 20, 2018	16/493,415
2016P00445US	August 2, 2016	July 31, 2017	15/663,984
2016P00457WOUS	July 19, 2016	July 18, 2017	16/315,448
2016P00556US	July 18, 2016	July 17, 2017	15/650,990
2016P00559WOUS	July 8, 2016	June 21, 2017	16/078,995
2016P00565WOUS	January 30, 2017	January 25, 2018	16/480,732
2016P00566WOUS	July 13, 2016	July 12, 2017	16/316,973
2016P00599WOUS	June 13, 2016	May 31, 2017	16/308,985
2016P00600WOUS	July 15, 2016	July 12, 2017	16/318,084
2016P00629WOUS	August 12, 2016	August 4, 2017	16/323,370
2016P00654WOUS	September 9, 2016	August 28, 2017	16/331,558
2016P00663WOUS	March 18, 2016	March 16, 2017	16/086,133
2016P00665WOUS	August 4, 2016	July 25, 2017	16/323,237
2016P00724WOUS	September 19, 2016	September 19, 2017	16/317,536
2016P00746WOUS	August 26, 2016	August 24, 2017	16/328,699
2016P00748US	September 7, 2016	September 1, 2017	15/693,531
2016P00764WOUS	May 17, 2016	May 11, 2017	16/301,012
2016P00770WOUS	May 30, 2016	May 24, 2017	16/305,202
2016P00774WOUS	August 5, 2016	August 3, 2017	16/323,504
2016P00792WOUS	August 22, 2016	August 2, 2017	16/327,691
2016P00799WOUS	August 5, 2016	July 21, 2017	16/322,995
2016P00810US01	Tune 20, 2016	June 20, 2017	16/217,439
2016P00854WOUS	October 6, 2016	October 5, 2017	16/339,523
2016P00855WOUS	October 6, 2016	October 5, 2017	16/339,582
2016P00856WOUS	August 26, 2016	August 16, 2017	16/328,680
2016P00869WOUS	May 31, 2016	May 26, 2017	16/306,522
2016P00923WOUS	September 1, 2016	August 30, 2017	16/329,821
2016P00924US	October 6, 2016	September 29, 2017	15/719,810
2016P00925WOUS	July 5, 2016	July 5, 2017	16/310,726
2016P00949WOUS	September 27, 2016	September 26, 2017	16/331,121
2016P00969WOUS	March 31, 2017	March 20, 2018	16/495,813
2016P00987WOUS	September 1, 2016	August 30, 2017	16/329,449
2016P00998WOUS	June 29, 2016	June 26, 2017	16/313,945

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PATENT REEL: 051464 ERAME: 0523 REEL: 055793 FRAME: 0362

Attorney Docket	1 may 1 m	Sporter a	Application
Number	Priority date	Filing date	number
2016P01001WOUS	July 19, 2016	July 18, 2017	16/081,206
2016P01002WOUS	September 2, 2016	August 28, 2017	16/329,860
2016P01045WOUS	September 1, 2016	August 30, 2017	16/328,794
2016P01069WOUS	October 26, 2016	October 23, 2017	16/342,163
2016P01086WOUS	July 25, 2016	July 24, 2017	16/320,550
2016P01105WOUS	February 9, 2017	February 6, 2018	16/484,459
2016P01163US	September 15, 2016	September 15, 2017	15/706,581
2016P01164WOUS	September 22, 2016	September 20, 2017	16/334,411
2016P01196WOUS	November 18, 2016	November 17, 2017	16/347,269
2016P01198US	October 20, 2016	October 19, 2017	15/788,717
2016P01250US	November 25, 2016	November 22, 2017	15/820,930
2016P01275WOUS	October 28, 2016	October 26, 2017	16/338,559
2016P01340WOUS	November 4, 2016	November 2, 2017	16/345,287
2016P01342US	February 23, 2017	February 22, 2018	15/902,045
2016P01343WOUS	October 11, 2016	October 11, 2017	16/340,364
2016P01421WOUS	November 17, 2016	November 15, 2017	16/347,026
2016P01422WOUS	October 25, 2016	October 24, 2017	16/340,066
2016P01423WOUS	December 19, 2016	December 18, 2017	16/466,509
2016P01427WOUS	December 16, 2016	December 15, 2017	16/466,658
2016P01428WOUS	November 11, 2016	November 10, 2017	16/348,602
2016P01499WOUS	September 16, 2016	September 4, 2017	16/319,454
2016P01506WOUS	August 26, 2016	August 24, 2017	16/326,985
2016P01514WOUS	February 23, 2017	February 23, 2017	16/488,068
2016P01520WOUS01	January 19, 2017	January 16, 2018	16/471,227
2016P01542WOUS	December 19, 2016	December 14, 2017	16/469,728
2016P01647WOUS	February 1, 2017	January 30, 2018	16/483,037
2016P01649WOUS	December 22, 2016	December 18, 2017	16/461,337
2016P01652US	February 22, 2017	February 22, 2018	15/902,864
2016P01653WOUS	February 28, 2017	February 23, 2018	16/484,767
2016P01678WOUS	January 18, 2017	January 16, 2018	16/477,983
2016P01691US	August 12, 2016	August 10, 2017	16/198,812
2016P01691US01	August 12, 2016	August 10, 2017	16/202,188
2016P01691WOUS	August 12, 2016	August 10, 2017	16/302,724
2016P01783WOUS	January 17, 2017	January 8, 2018	16/475,648
2016P01787WOUS	December 1, 2016	November 22, 2017	16/348,662
2016P01843WOUS	February 28, 2017	February 16, 2018	16/488,216
2016P01852US	February 24, 2017	February 22, 2018	15/902,282
2016P01897US	August 12, 2016	August 10, 2017	16/198,814
2016P01897US01	August 12, 2016	August 10, 2017	16/202,182
2016P01897WOUS	August 12, 2016	August 10, 2017	16/302,748
2016P01914WOUS	January 27, 2017	January 23, 2018	16/480,111

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Number	Priority date	Filing date	number
2016P01990WOUS	January 26, 2017	January 24, 2018	16/468,324
2016P01994WOUS	January 31, 2017	January 23, 2018	16/347,891
2016P02004WOUS	March 9, 2017	March 8, 2018	16/490,944
2016P02005WOUS	January 24, 2017	January 24, 2018	16/478,996
2016P02019WOUS	February 8, 2017	January 30, 2018	16/484,541
2016P02020US	March 9, 2017	March 5, 2018	15/911,407
2016P02043WOUS	April 12, 2017	April 10, 2018	16/498,996
2016P02086US	April 5, 2017	April 5, 2018	15/945,830
2016P02099WOUS	December 9, 2016	December 6, 2017	16/349,241
2016P02133WOUS	March 10, 2017	March 9, 2018	16/484,612
2016P02193WOUS	September 16, 2016	September 14, 2017	16/332,712
2016P02195WOUS	October 28, 2016	October 25, 2017	16/335,968
2016P02204WOUS	February 28, 2017	February 27, 2018	16/488,573
2016P02221WOUS	January 24, 2017	January 23, 2018	16/476,863
2016P02223WOUS	April 4, 2017	March 21, 2018	16/500,946
2016P02273US	April 24, 2017	April 23, 2018	15/959,425
2016P02274WOUS	April 4, 2017	March 21, 2018	16/496,075
2016P02312WOUS	January 24, 2017	January 23, 2018	16/479,667
2016P02326WOUS	November 10, 2016	October 26, 2017	16/344,922
2016P02355WOUS	January 19, 2017	January 9, 2018	16/343,989
2016P02390WOUS	February 28, 2017	February 26, 2018	16/479,198
2016P02391WOUS	February 28, 2017	February 20, 2018	16/488,529
2016P02395WOUS	January 25, 2017	January 18, 2018	16/480,071
2016P02396WOUS	March 7, 2017	March 1, 2018	16/471,249
2016P02397WOUS	February 8, 2017	January 31, 2018	16/484,755
2016P02401WOUS	March 8, 2017	March 5, 2018	16/480,966
2016P02403WOUS	February 24, 2017	February 22, 2018	16/482,487
2016P02426WOUS	May 12, 2017	May 9, 2018	16/495,193
2016P02482WOUS	November 25, 2016	November 23, 2017	16/349,243
2016P02516WOUS	February 16, 2017	February 12, 2018	16/348,609
2016P02519WOUS	March 7, 2017	February 28, 2018	16/348,015
2016P02554WOUS	December 19, 2016	December 12, 2017	16/462,349
2016P02555WOUS	December 19, 2016	December 18, 2017	16/462,483
2016P02574WOUS	March 1, 2017	February 27, 2018	16/485,400
2016P02575WOUS	April 18, 2017	April 16, 2018	16/495,144
2016P02578WOUS	March 29, 2017	March 20, 2018	16/498,291
2016P02583WOUS	November 29, 2016	November 29, 2017	16/347,952
2016P02584WOUS	April 20, 2017	April 16, 2018	16/490,171
2016P02585WOUS	March 2, 2017	February 28, 2018	16/488,540
2016P02597WOUS	March 13, 2017	March 12, 2018	16/471,731
2016P02612WOUS	March 7, 2017	March 6, 2018	16/488,571

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Attorney Docket			Application
Number	Priority date	Filing date	number
2016P02614WOUS	April 4, 2017	March 21, 2018	16/491,483
2016P02649WOUS	March 24, 2017	March 19, 2018	16/489,393
2016P02650WOUS	March 7, 2017	March 5, 2018	16/480,532
2016P02652WOUS	May 29, 2017	May 28, 2018	16/608,455
2016P02653WOUS	March 8, 2017	March 7, 2018	16/487,623
2016P02661WOUS	March 20, 2017	March 16, 2018	16/495,803
2016P02669WOUS	March 3, 2017	March 1, 2018	16/485,412
2016P02670WOUS	March 8, 2017	March 6, 2018	16/491,146
2016P02700WOUS	April 21, 2017	April 19, 2018	16/498,763
2016P02702WOUS	March 1, 2017	February 28, 2018	16/489,726
2016P02703WOUS	March 7, 2017	March 7, 2018	16/492,093
2016P02713WOUS	March 8, 2017	March 6, 2018	16/486,559
2016P02714WOUS	January 17, 2017	January 12, 2018	16/468,085
2016P02730WOUS	December 29, 2016	December 21, 2017	16/471,330
2016P02734WOUS	March 7, 2017	March 5, 2018	16/488,548
2016P02743WOUS	May 10, 2017	May 8, 2018	16/607,226
2016P02744WOUS	April 12, 2017	April 10, 2018	16/604,570
2016P02767WOUS	April 20, 2017	April 18, 2018	16/500,078
2016P02778WOUS	May 10, 2017	May 3, 2018	16/493,438
2016P02791WOUS	April 20, 2017	April 18, 2018	16/604,252
2016P02797WOUS	March 21, 2017	March 19, 2018	16/495,241
2016P02799WOUS	April 19, 2017	April 13, 2018	16/493,062
2016P02803WOUS	February 28, 2017	February 16, 2018	16/489,678
2016P02835WOUS	March 29, 2017	March 20, 2018	16/485,414
2016P02879WOUS	December 30, 2016	December 29, 2017	16/475,064
2016P02880WOUS	March 14, 2017	March 13, 2018	16/493,499
2016P02886US	April 12, 2018	April 12, 2018	15/952,194
2016P02948WOUS	June 1, 2017	May 17, 2018	16/499,490
2016P02949WOUS	April 6, 2017	March 27, 2018	16/498,966
2016P02956US	May 18, 2017	May 16, 2018	15/980,939
2016P02959WOUS	April 12, 2017	March 29, 2018	16/604,573
2016P02960US	March 29, 2017	March 29, 2018	15/940,929
2016P02969WOUS	February 24, 2017	February 22, 2018	16/485,671
2016P02980WOUS	December 19, 2016	December 18, 2017	16/462,628
2016P03014WOUS	December 20, 2016	December 19, 2017	16/467,480
2016P03017WOUS	March 24, 2017	March 20, 2018	16/495,219
2016P03019WOUS	April 13, 2017	March 20, 2018	16/491,184
2016P03053WOUS	July 6, 2017	July 6, 2017	16/311,676
2016P03059WOUS	May 22, 2017	May 16, 2018	16/607,781
2016P03085WOUS	April 21, 2017	April 18, 2018	16/606,538
2016P03124WOUS	May 24, 2017	May 16, 2018	16/604,282

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Attorney Docket		2000	Application
Number	Priority date	Filing date	number
2016P03151WOUS	June 2, 2017	May 30, 2018	16/612,799
2016P03157WOUS	May 31, 2017	May 17, 2018	16/608,552
2016P03217WOUS	April 4, 2017	April 3, 2018	16/498,331
2016P03244WOUS	June 2, 2017	May 18, 2018	16/615,452
2016P03246WOUS	February 24, 2017	February 22, 2018	16/488,213
2016P03248WOUS	February 24, 2017	February 22, 2018	16/484,232
2016P03249WOUS	February 24, 2017	February 22, 2018	16/480,556
2016P03252WOUS	February 24, 2017	February 22, 2018	16/488,148
2017P00141WOUS	November 29, 2016	November 23, 2017	16/347,168
2017P00154WOUS	June 19, 2017	June 8, 2018	16/611,372
2017P00160WOUS	February 24, 2017	February 22, 2018	16/488,105
2017P00180WOUS	June 1, 2017	May 30, 2018	16/609,374
2017P00224WOUS	May 11, 2017	May 3, 2018	16/604,083
2017P00227WOUS	February 15, 2017	February 2, 2018	16/484,553
2017P00301US	July 10, 2017	July 9, 2018	16/030,714
2017P00426WOUS	March 31, 2017	March 20, 2018	16/498,316
2017P00464US	August 3, 2017	August 1, 2018	16/052,511
2017P00476US	August 2, 2017	August 1, 2018	16/052,554
2017P00714WOUS	April 27, 2017	April 25, 2018	16/608,356
2017P00832WOUS	April 27, 2017	April 26, 2018	16/605,106
2017P00846US	September 7, 2017	August 31, 2018	16/120,094
2017P00887US	July 19, 2017	July 17, 2018	16/037,388
2017P00904US	August 14, 2017	August 10, 2018	16/101,147
2017P00927US	August 31, 2017	August 28, 2018	16/114,921
2017P01049US	October 12, 2017	October 10, 2018	16/156,134
2017P01226US	November 6, 2017	November 6, 2018	16/182,382
2017P01381WOUS	June 8, 2017	June 5, 2018	16/612,857
2017P01513US	November 22, 2017	November 20, 2018	16/195,904
2017P01517US	July 28, 2017	July 27, 2018	16/047,873
2017P01554US	November 23, 2017	November 21, 2018	16/197,939
2017P01575US	November 24, 2017	November 16, 2018	16/193,308
2017P01577US	December 19, 2017	December 17, 2018	16/221,872
2017P01608US	December 22, 2017	December 20, 2018	16/227,789
2017P01629US	November 8, 2017	November 1, 2018	16/177,685
2017P01691US	December 19, 2017	December 18, 2018	16/223,931
2017P01709US	July 28, 2017	July 26, 2018	16/046,173
2017P01717US	March 6, 2018	March 6, 2019	16/294,789
2017P01805US	December 4, 2017	November 30, 2018	16/205,412
2017P01843US	December 20, 2017	December 20, 2018	16/228,588
2017P01864US	December 14, 2017	December 14, 2018	16/221,350
2017P01873US	August 29, 2017	August 24, 2018	16/112,615

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Attorney Docket Number	Priority date	Filing date	Application number
2017P01924WOUS	November 11, 2016	November 10, 2017	16/324,924
2017P01973US	January 24, 2018	January 24, 2019	16/256,897
2017P01974US	January 24, 2018	January 24, 2019	16/256,879
2017P01996US	December 14, 2017	December 14, 2018	16/221,367
2017P02109US	December 20, 2017	December 19, 2018	16/226,199
2017P02168US	January 18, 2018	January 18, 2019	16/252,323
2017P02297US	January 23, 2018	January 22, 2019	16/253,921
2017P02321US	February 27, 2018	February 26, 2019	16/286,100
2017P02347US	February 19, 2018	February 19, 2019	16/279,943
2017P02386US	January 23, 2018	January 23, 2019	16/254,659
2017P02492US	March 14, 2018	March 13, 2019	16/351,787
2017P02493US	May 2, 2018	April 30, 2019	16/398,889
2017P02502US	December 13, 2017	December 11, 2018	16/216,067
2017P02608US	February 19, 2018	February 19, 2019	16/279,108
2017P02623US	March 20, 2018	March 18, 2019	16/355,895
2017P02865US	April 20, 2018	April 11, 2019	16/382,008
2017P03008US	May 15, 2018	May 15, 2019	16/413,490
2017P03012US	April 4, 2018	April 3, 2019	16/374,486
2017P03099US	November 17, 2017	November 9, 2018	16/186,395
2017P03120US	March 29, 2018	March 27, 2019	16/366,558
2017P03147US	May 11, 2018	May 10, 2019	16/409,527
2017P03216US	May 17, 2018	May 10, 2019	16/409,472

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RECORDED: 01/03/2020 RECORDED: 04/01/2021