PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
SUN PATENT TRUST	01/25/2021	

RECEIVING PARTY DATA

Name:	APPLE INC.
Street Address:	ONE APPLE PARK WAY
City:	CUPERTINO
State/Country:	CALIFORNIA
Postal Code:	95014

PROPERTY NUMBERS Total: 24

Property Type	Number					
Application Number:	13122572					
Application Number:	14195349					
Application Number:	13634210					
Application Number:	14316634					
Application Number:	14615359					
Application Number:	15426939					
Application Number:	15724111					
Application Number:	16164614					
Application Number:	16805215					
Application Number:	17029715					
Application Number:	13702901					
Application Number:	14658083					
Application Number:	15134151					
Application Number:	16039000					
Application Number:	16748273					
Application Number:	14372716					
Application Number:	15164755					
Application Number:	15469118					
Application Number:	15965279					
Application Number:	16590788					

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506553591

Property Type	Number
Application Number:	14394066
Application Number:	15630410
Application Number:	16199838
Application Number:	16876906

CORRESPONDENCE DATA

Fax Number: (415)576-0300

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.

Phone: 415-576-0200

Email: pcaldwell@kilpatricktownsend.com

Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP/APPLE

Address Line 1: 1100 PEACHTREE STREET
Address Line 2: MAILSTOP: IP DOCKETING 22
Address Line 4: ATLANTA, GEORGIA 30309

ATTORNEY DOCKET NUMBER:	090911-1242667
NAME OF SUBMITTER:	PATRICIA CALDWELL
SIGNATURE:	/Patricia Caldwell/
DATE SIGNED:	03/15/2021

Total Attachments: 4

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ASSIGNMENT OF PATENT RIGHTS

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- b) all provisional patent applications, patent applications, patents or other similar governmental grants or issuances worldwide (i) from which any of the Patents directly or indirectly claims priority and/or (ii) for which any of the Patents directly or indirectly forms a basis for priority;
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 prosecution applications, requests for continuing examinations, and divisions, worldwide, of
 any provisional patent application, patent application, patent or other governmental grant or
 issuance set forth in clauses (a) and/or (b);
- d) foreign patents, patent applications, and counterparts relating to any item in the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;
- e) items in any of the foregoing in categories (a) through (d), whether or not expressly listed as Patents in the attached Appendix and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like (clauses (a) through (e), collectively, the "Assigned Patents");
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- g) rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in the foregoing categories (a) through (f), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;
- h) any causes of action (whether currently pending, filed or otherwise) and all other enforcement rights and rights to remedies under, on account of, or related to any of the Assigned Patents and/or any item in any of the foregoing categories (a) through (g), including, without limitation, all causes of action and other enforcement rights for (1) damages, (2) injunctive or other equitable relief, and (3) other remedies of any kind for past, current and future infringement, misappropriation or violation of rights and all rights to sue for any of the foregoing;

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- all rights to collect royalties and other payments (including past damages) received for future enforcements or license agreements under or on account of any of the Assigned Patents and/or any item in the foregoing categories (b) through (h); and
- any and all other rights and interests worldwide, arising out of, in connection with or in relation to the Assigned Patents.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Assigned Patents in the name of Assignee, as the assignee to the entire interest therein.

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

In witness whereof, intending to be legally bound, the Parties have executed this Assignment as of the Assignment Date.

ASSIGNOR: Sun Patent Trust			ASSIGNEE: Apple Inc.				
By:	Joen Corno	By:					
Name:	Joseph Casino	Name:	stoffrey L. Myers				
Title:	Managing Trustee	Title:	Chief IP Counsel & Assistant Secretary				
Date:	January 25, 2021	Date:	03-0-2021				

Appendix for Apple Patent Assignment								
P05662311201	Œ	Grant ed	2008/10/30	2009/10/21	09823267, 1		2017/05/24	2341634
P056823111002	123	Gamed	2008/10/30	2009/10/21	17157401 5		2019/12/64	3197077
P0566233EE03	ix:	Ganted	2008/36/30	2000/48/21	19198420 8		3030/10/31	3009008
P0564233EP01	(3)	Gamed	2008/36/30	2009/10/21	89823267.1	2341834	2017/05/24	2341634
P05662331HN2	(3)	Granted	2008: 10: 30	2009/10/23	17(5740) 5	3:99977	2019/13/64	3197077
P056523119V3	£\$0	Grant ed	2008/16/30	2009/10/23	19196420-8	3609098	2020/10/21	3609098
P036623 (FBG)	88	Granted	2008/16/30	2009/30/33	09833267-1		2017/05/24	2341634
P050423 (FB02	128	Grant ed	2008/16/30	2009/30/21	17157401 5		2010/12/04	3197077
198662341903	233	Cramted	2008/16:30	2009/10/21	19196480.8		3020/10/21	36690098
P0568231(30)	æ	Cramed.	2008/10/30	2009/10/21	09823267. 1		2017/05/24	2341634
P0366231/302	(33	Cranted	2008/36/30	2009/48/23	17157401.5		2019/12:64	3197077
P0566231CR03	i 33	Granted	2008/16/30	2800/30/23	19196480. \$		2020/10/21	36699008
14056623131903	jp.	Granted	2008/10/30	2009/30:21	2010-335684	W2010/080193	2014/93/14	5497656
1956623131903	339	Granted	2008/10/30	2609/39/23	2014-041709	2014-140207	2015/02/27	57(6)403
39566231J <i>1</i> 993	jþ.	Grant ed	2008/16/30	2009/19/21	2015-025378	2013-144440	2016/01/22	5879980
3458623338804	383	Crant ed	2008/19/30	2009/30/23	2011147566	2011117586	2014/93/26	2810333
P95662334803	(3)	Grant ed	2008/30/30	2009/349/23	13/122572	2011/0208030	2014/34/22	8763507
395662311802		Grant ed	2008/30/36	2009/10/23	1.47 (95349	2014/0183590	3015/08/33	9166356
P06045311801	180	Application	2010/03/36	2011/03/15	11201202324% 8	The accessor	i di Vilibia di Livinda di Sintano di Vili	ing to the state of the state o
19604551CN01	QN:	G am ed	2010/03/16	2011/03/19	201180013726.3	102792803	2019/ 89/ 14	71.20(1)8001
19664551CN2	(N	Granted	2010/03/16	2011/03/15	201410309147.9	154618981	2048/64/20	2826331030
19604551CN03	QN TN	Granted	2010/03/36	3011/03/16	201810663481.3	106169829	2010/67/12	9128(81066 348), 3
106045511101 206045511101	335 (3)	Application Granted	2010/03/16 2010/03/16	2011/03/15	11755661 3	2848318	98.90 (88.098)	
806045311301	1N	Application	2010/03/16	2011/03/15 2011/03/15	V80201203667 62157/NEMSP/2012		2015/06/29	1 (30000419 - 08
Ni6943311301	i je	Ganted	2030/03/10	2011/03/15	2012-352387	2013-522988	2013/11/02	5304940
18060435433802	335	G anted	3610/03/16	2011/03/15	2013-220214	2014-030265	2014/08/08	\$391992
R)6043311303	313	G ant ed	2010/03/16	20:1:03:15	2014-153833	2015-008477	2015/99/18	5809334
18)604531318)4	312	Cranted	2010/03/16	2011/03/15	2015-177564	2016-026442	2617/02/03	6083620
18060455138801	1635	Grant ed	2010/03/16	2883/03/13	10-2912-7028931	2013-0010226	2019/06/28	10-1996680
R080455113-02	133	Granted	2010/03/16	2011/03/13	18-2917-7664932	16-2017-6623213	2018 01/11	10-1819873
10)6045316(8)3	ЮK	Published	2010/03/16	2011/03/45	16-2019-7018349	10-2019-0077615	aj bira da Tarabitan	
P0694331AM01	M	Grant ed	2010/03/46	2031/03/15	88 a 2012/010508		2014/03/27	318810
P0894551RL01	18.7°	Or ant ed	2010/03/16	2013/03/15	20123335265	2012139265	2615/03/20	2557462
POG04551TEDE	Ħ	G ant ed	2610/03/16	2001/03/15	1201004674	126,543	2019/11/25	72818
P860435) [520]	£\$	G ant ed	2010/03/16	2913/03/13	13/634210	2913/ (010895	2014/08/05	8798195
P08/045511.802	₹\$	G ant ed	2010: 03/46	29)1/03/18	34/316634	2014/0307823	2015/03/31	8995357
Pse@43311.803	(S	Grant ed	2010/03/16	2011/03/18	14/615359	2013/0155923	2617/03/2)	9692)79
Psc04551(E04	ŧ\$	Grant ed	2010:03:16	2011/03/48	18/42/239	2017/0149482	2017/11/07	9810028
P88045531 805	ŧs	Grant ed	2016/03/16	2011/03/15	13/774111	2918/0083677	2018/12/04	19148328
POCCASS11.806	ÜŠ	Crant ed	2016: 63, 19	2011/03/45	16/164614	2019/0089439	2020/04/07	19615857
P06045511E07	US	Gant ed	2010/03/16	2011/03/35	16/80/1215	2020/0204231	(2020/11) (0	19833741
Possi5511 808	3.8	Application	2010/03/16	2011.03/15	17/029718		Light with wine	
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Podos608(80) Podos608(20)	18K (A)	Application Granted	2010/06/21 2010/06/21	2014/06/13 2011/06/13	11201203 (092-5		200 (07,000) 200	500000
198859900LXXI P0605808(NO	O)	Ganted	2010/06/21	2911/86/13	2801365 201180023947 9	100000000	- 2019/01/08 - 2019/01/08	2801365
PS605408CN2	Cii	Gamee Gasted	2010/06/21	281/96/13	2011808020943 9	192293652 195273131A	2016/08/30 2020/08/38	21.20118902 2838181047
19005608[16]	83	Gamed Gamed	2010/06/21	2011/06/13	(1797785.1)	6300133334	2019/03/33	2220101097 5384888
196056081132	135	Cranted	2010/06/21	2013/06/13	(82 (6420, 8		2020/02/12	3474620
F0802608(39);	535	Grant ed	2010-06-21	2011/06/11	11797785 ()	1584823	2039 63 13	2584828
106050081392	153×	Gam ed	2019/06/21	2011/06/13	18210420 S	3474620	2020-02-12	3474620
F060360NFN01	IN	Granted	2010/06/21	2011/06/13	02680/NBMF 2012	A CAMPANA CAMPANA	2010/11/26	325888
M60560813901	JР	Granted	2010/06/21	2011/06/13	2012-521292	W2011/161896	2015/03/27	5717737
P060560801902	jp	Granted	2010/06/21	2011/06/13	2015-053190	3613.184477	2017/04/07	6120188
P060560833903	jр	Granted	2010/06/31	2911/06/13	2017-051275	2017- (39786	2018/02/02	6281786
[96056083 3 8) {	133.	Crant ed	2019/06/21	2011/06/13	10-2012-7031972	2013-0088749	2018/07/09	10-1878504
10605a683461	5/\$	Grant ed	2010/06/21	2011/06/13	Pt 2012701696		2016/03/15	MF-156711-
Digusagrigua	88,3	Grant ed	2010/08/21	2011/06/13	2012152649	2012152649	2615/04/30	2646080
Dc086081201	355	Grant ed	2810/06/21	2011/06/20	100121399	201314993	2016/01/01	1,516038
Ni605508U201	18	G ant ed	2010/06/21	2011/06/13	15/134151	2016/0234824	2018/08/21	10057886
156655081302	US.	Grant ed						

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1806036080803	1.8	G ant ed	2610/06/21	2001/06/13	14/698083	2915/0189656	2016/05/24	9351303
N605608US04	1.8	Grant ed	2010/06/21	2011/06/13	18/039000	2018/0324783	2920/03/03	10582477
FD605608US03	i.S	Published	2010/06/21	2017/06/13	36/748273	2020/0163072	ili. Na lita a ses sessenda e a	
80608608V403	VA.	G ant ed	2010/06/21	2011/06/13	1-2012-03639		2045/09/14	13557
N)698608ZA91		G ant est	3046/06/24	2983/66/43	2013: 65174		2013/09/23	2012/091
POGLII (SCOM)	GV	O ant ed	2012/01/26	2012/11/23	2012203/71798 8	104205943	2018/05/01	21.2/11280
Potentischer	ON.	Application	2012/01/26	2617/31/23	201810287611.7		er Coleanniaeach	1798, 8
83611119D X 01	135	Grant ed	2012/61/28	2012/11/23	12788581.2	Land I all the second of the s	2020/08/18	2807894
106111191302	(3)	Crant ed	2012/01/26	2012/11/23	12788581-2	2367894	2020/03/18	2807894
IX:61 [1 19EIX)3	135	Publ i shed	2012/01/26	2012/11/23	20155304.7	3672332		146.00600001
Poet 1 1 19(-12) 1	iR.	Crant ed	2012/11/26	2013/11/23	12788581-0		2020/03/18	2867894
\$5611119C X 01	(3)	Crant ed	2012/01/26	2013/11/23	12788581.2		3020/03/18	2807894
[X611119/IX/I	332	Gamed	2012/01/26	2012/11/23	2014-553638	2015-512478	2017/12/08	6232830
P064 L1190 P02	335	(Fanted	2012/01/26	2012/31/23	2017-376734	2018-014747	2019/01/25	6367781
PX6111190 PX3	385	Chant ed	2012/01/26	2012/11/23	2018-248320	2019-068168	2019/ (2/3)	6628235
1,000 1111 1017201	ŧs.	G ant ed	2012/01/26	2042/13/23	14/372716	2615/0003333	2016/07/09	9386524
EX#111191EX12	1.8	Crant ed	2012/01/26	2012/11/23	157 164785	3016/0279146	2017/-08/-03	9842381
P06111191503	1.8	Crant ed	2012/01/26	2012/11/23	15/46911-8	2017/0202035	2018/05/29	9936592
Page 111 191 864	18	Cranted	3012/81/26	2012/14/23	15/965279	2008/0249533	2019/11/12	1047764
196111191803	18	Application	2012/01/26	2012/14/28	16/5/9788			
P0612849RE01	(%)	G ant ed	2012/05/04	2013/92/06	16151518.8		3018/07/13	3036033
P\$612849CE01	(34	Granted	2012/05/04	2013/02/06	16151816.8		2018/307/33	3030033
P0612849CX61	CZ.	Gram ed	2012/93/64	2013/02/06	36151518.8		2018/07:43	3030033
P96128491E61	!3:	Cram od	2012/03/04	2013/02/06	13703784. 2	2846434	2036/94/20	2845434
P06128491362	135	Gram ed	2012/03/64	2013/82/86	16131816.8		2018/07/11	3030033
1061284913303	13:	Cranted	2012/03/04	2013/02/06	18173320.5		2019/30/02	3383320
P0612849E104	1.35	Ganted	2012/05/04	2013/02/66	19190349.1		2620769799	3883533
(98128491301	124	Grant ed	2012/03/04	2013/02/06	16171816.2		2018/07/13	3030613
(96) 2849(36)2	135	Grant ed	2012/05/04	2613/02/06	13703784.2	2845434	2016/04/20	2845434
108128491903	₽Ş.	(Fanted	2012/05/04	2013/02/96	16151516. 8	3030033	2018/07/11	3030033
1061284010104	132	Grant ed	2012/05/04	2013/02/06	18173320.5	3383120	2018/10/02	3383320
196128495595	15)	Crant ed	2012/05/04	2013/02/06	19390349, 1	3582573	2020/05/09	3882873
F0612849E306	135	Publ i shed	2012/05/04	2013/02/06	2018/9013, 8	3740022		
198128491801	1:8	Crant ed	2032/05/04	2013/02/06	16351536.8		2018/67/11	3030033
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(0612849178))	88	Grant ed	2012/05/04	2013/02/06	13703784, 2	2845434	2016/04/20	2845434
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F0612889FR03	88	Grant ed	2012/05/04	2913/62/66	18173320.5		2019/10/02	3383126
108128491364	88	Ganted	2012/05/04	2013/02/08	10100340.1		2020/05/00	3582573
10613849Q£01	Q5	Crant ed	2012/05/04	2013-02-06	13703784, 2	2848434	2016/04/20	2845434
P0612849(Y 02	₹38	Grant ed	2012/05/04	2013/02/06	16131516, 8	27:11:277.171.17	2013/67/U	3030033
19612849Q 3 33	Q8	Granted	2012/05/04	2813-02-06	18173320, 8		2010/10/02	3383120
PX (2349QD4	Gi.	Granted	2013/05/04	2013 62/06	19496349_1		2020/09/09	35×2573
1936 123 49 CRO1	GK.	Grant ed	2012/05/04	2013-02-08	18351516. \$		2018/07/11	3030033
19612849H(01	13.3	Granted	2012/05/04	2013-02-06	18131316.8		2018:07:11	3630933
106128481801	(X)	Granted Granted	2012/05/04	2013.02.06	16(3)316 8		2018/07/11	3030033
Pod128491 Te1	1.5	Grant ed	280 3 / 65 / 64	2013-02-66	18131316 8		3018/67/11	3030033
198128491391	534	Gamed	200 3/05/04	2013 62:06	2018-369336	2015-519824	2017/03/24	6112327
106 (2849) (802	33°		2013/05/04	2013/02/06	2017-037447	2017-140625	2018/05/25	6340686
15061,2849,1403 15061,2849,1403	33°	Granted Granted	2012/05/04		2013-083214	2018-142980 2018-142980	2018/10/25 2019/07/19	0555557
		Granted		2013/02/06		20/105 FM 27/889		
8061284934854 806128483805		Granted	2012/05/04	2013/02/08	2019-118963	N. 1888 1888 1888	2020/03/31	6706831
	3.8	Published	2013/05/04	2813/02/06	2029-979668	3030-127234	3630000000	81.58655
Pod (2849NLO) Bulling rond (2	M.	Grant ed	2013/05/04	2013/62/66	(6(5)5)6 8		2018/07/11	3030033
Pag 12849 NGO 1	- N.Y 191	Gram ed	2012/08/04	2013/02/86	16151516.8.		2018/07/11	3030033
P0612849P101		Gram ed	2012/05/04	2013/02:08 3013/02:08	18151316.8		2018/07/11	3030033
10812849F761	54.	Gram ed	2012/85/04	2013/02/08	18151515. \$ valateta 9		2018/07/11	3030033
FO61284910301	- PK)	Grant ed	2012/08/04	2013/92/96	18131818.2		2018/07/10	3036633
106128498101	SE	Granted	2012/95/04	2013/02/06	16151516.2		2018/07/ U	3930033
19612849'001	336	Granted	2012/05/04	2613/02/08	16161516, 8	THE PARK CAPELA	2018/107/11	3939033
106128491801	83	Grant ed	2012/05/04	2013/02/06	14/394086	2015/0117342	2017/08/01	9723618
10612849(S02 10612849(S03	8.8	Grant ed	2012/08/04	2013/02/08	15/630410	2017/0295590	2019/01/08	1017388
	1.8	Grant ed	2612/05/04	2013/62/06	16/199838	2019/0098644	2020-06/30	10303768

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RECORDED: 03/15/2021