506042034 05/01/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6088749

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DMITRY V. BELOV	03/23/2020
JUSTIN K. BENNETT	04/09/2020
DAVID S. CLARK	04/07/2020
KALYAN C. GOPAVARAPU	03/17/2020
DAVID G. KNIPP	03/23/2020
ROBERT F. LEE	03/17/2020
SUDHAKAR N. MAMBAKKAM	03/23/2020

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16865014	

CORRESPONDENCE DATA

Fax Number:

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.

brittany.andersen@jwmhlaw.com Email:

Correspondent Name: APPLE-H/JAFFERY WATSON MENDONSA & HAMILTON

7501 VILLAGE SQUARE DRIVE Address Line 1:

Address Line 2: SUITE 206

Address Line 4: CASTLE PINES, COLORADO 80108

ATTORNEY DOCKET NUMBER:	1984P42731US1
NAME OF SUBMITTER:	HOWARD S. HAMILTON
SIGNATURE:	/Howard S. Hamilton/
DATE SIGNED:	05/01/2020

PATENT REEL: 052552 FRAME: 0476

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Total Attachments: 8 source=P42731US1 Assignment 050120#page1.tif source=P42731US1 Assignment 050120#page2.tif source=P42731US1 Assignment 050120#page3.tif source=P42731US1 Assignment 050120#page4.tif source=P42731US1 Assignment 050120#page5.tif source=P42731US1 Assignment 050120#page6.tif source=P42731US1 Assignment 050120#page7.tif source=P42731US1 Assignment 050120#page8.tif

PATENT REEL: 052552 FRAME: 0477

ASSIGNMENT OF PATENT APPLICATION	Attorney Docket No.: 1984P42731US1
For good and valuable consideration, the receipt and	sufficiency of which is hereby
acknowledged, I/we, the undersigned, Dmitry V. Belov; Just	tin K. Bennett; David S. Clark; Kalyan C.
Gopavarapu; David G. Knipp; Robert F. Lee; and Sudhakar	N. Mambakkam
_,hereby sell, assign, and transfer toApple Inc.	,
a <u>corporation</u> of <u>Calif</u> (Type of Assignee: e.g., corporation, company, partnership, university,	fornia , etc.)
having a principal place of business at One Apple Park V	Vay, Cupertino, CA, 95014 ,
("Assignee"), and its successors, assigns, and legal represent the United States and all foreign countries, in and to any and disclosed in the application (provisional or non-provisional) non-provisional application may have a declaration executed concurrently herewith and which application (provisional or	I all inventions or improvements that are for the United States patent which for the I by the undersigned prior hereto or
AUTHENTICATING AND CREATING ACCOUNTS	ON BEHALF OF ANOTHER USER
said patent application also identified as follows (when know	vn):
[I/we hereby authorize an attorney or agent for said number and filing date of said patent application who	• • • • • • • • • • • • • • • • • • • •
United States Patent Application Number <u>16/865,014</u>	filedMay 1, 2020,

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or

PATENT REEL: 052552 FRAME: 0478

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

23-Mar-2020	, 20	/	(/
Date	·	Name:	Dmitry V. Belov	
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Date		Name:	Justin K. Bennett	
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Date		Name:	David S. Clark	
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Date		Name:	Kalyan C. Gopavarapu	
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Date		Name:	David G. Knipp	
	, 20			
Date		Name:	Robert F. Lee	
	, 20			
Date		Name:	Sudhakar N. Mambakka	am

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Name: Dmitry V. Belov
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Name: Justin K. Bennett
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Name: David S. Clark
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Date	, <u> </u>	Name:	Dmitry V. Belov	
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Date	, 20	Name:	Justin K. Bennett	
07-Apr-2020	, 20_20_	/ :	ma /	
Date		Name:	David S. Clark	
	, 20			
Date		Name:	Kalyan C. Gopavarapu	
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Date		Name:	David G. Knipp	
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Date		Name:	Robert F. Lee	
	, 20			
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Each	Inventor:	Please	Sign	and	Date	Below:

, 20	
Date	Name: Dmitry V. Belov
, 20	Name: Justin K. Bennett
, 20	
Date	Name: David S. Clark
March 17, 20 <u>20</u> Date	Name: Kalyan C. Gopavarapu
, 20	Name: David G. Knipp
, 20	Name: Robert F. Lee
, 20	
Date	Name: Sudhakar N. Mambakkam

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Each Inventor: Please Sign and Date Below:

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Date	Name: Dmitry V. Belov
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Date	Name: Justin K. Bennett
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Date	Name: David S. Clark
, 20 Date	Name: Kalyan C. Gopavarapu
3/23 . 20 2	
Date	Name: David G. Knipp
, 20	
Date	Name: Robert F. Lee
<u> </u>	
Date	Name: Sudhakar N. Mambakkam

PATENT REEL: 052552 FRAME: 0483

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Date	Name: Kalyan C. Gopavarapu
Date	Name: David G. Knipp
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Date	Name: Robert F. Lee
. 20	
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Each Inventor: Please	Sign <u>and Date</u> Relow:
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	Name: Dmitry V. Belov
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Date	Name: Justin K. Bennett
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Date	Name: David S. Clark
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Date Think the second of the second	Name: Kalyan C. Gopavarapu
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Date	Name: David G. Knipp
	man de la companya d Propositivo de la companya de la co Propositivo de la companya de la co
Date	Name: Robert F. Lee
23-MAR. 2020	Hartalla as los
Best Date of the second state of the second	Name: Sudhakar N. Mambakkam