

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5266239

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
MARCEL VAN OS	11/15/2018
JESSICA ABOUKASM	10/23/2018
DAVID R. BLACK	11/26/2018
ROBERT CHINN	10/24/2018
GREGORY L. DUDEY	10/24/2018
KATHERINE K. ERNST	10/24/2018
GRANT PAUL	11/02/2018
WILLIAM A. SORRENTINO III	11/08/2018
BRIAN E. WALSH	10/23/2018
JEAN-FRANCOIS ALBOUZE	10/24/2018
JAE WOO CHANG	11/02/2018
AURELIO GUZMAN	11/05/2018
CHRISTOPHER J. MOULIOS	11/26/2018
JOANNA M. NEWMAN	10/23/2018
NICOLAS SCAPEL	11/02/2018
JOSEPH-ALEXANDER P. WEIL	10/30/2018
CHRISTOPHER WILSON	11/02/2018

**RECEIVING PARTY DATA**

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

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	16110514

**CORRESPONDENCE DATA****Fax Number:**

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent*

**PATENT**

*using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**Phone:** (303) 634-4345  
**Email:** staci.berry@dentons.com  
**Correspondent Name:** TAYLOR DENNINGTON  
**Address Line 1:** DENTONS US LLP  
**Address Line 2:** 1400 WEWATTA STREET SUITE 700  
**Address Line 4:** DENVER, COLORADO 80202

<b>ATTORNEY DOCKET NUMBER:</b>	P38078US1/77770000487101
<b>NAME OF SUBMITTER:</b>	TAYLOR S. DENNINGTON
<b>SIGNATURE:</b>	/Taylor S. Dennington/
<b>DATE SIGNED:</b>	12/04/2018

**Total Attachments: 19**

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## ASSIGNMENT

This Assignment is by:

1. Marcel VAN OS  
c/o Apple Inc.  
One Apple Park Way  
Cupertino, California 95014
2. Jessica ABOUKASM  
c/o Apple Inc.  
One Apple Park Way  
Cupertino, California 95014
3. David R. BLACK  
c/o Apple Inc.  
One Apple Park Way  
Cupertino, California 95014
4. Robert CHINN  
c/o Apple Inc.  
One Apple Park Way  
Cupertino, California 95014
5. Gregory L. DUDEY  
c/o Apple Inc.  
One Apple Park Way  
Cupertino, California 95014
6. Katherine K. ERNST  
c/o Apple Inc.  
One Apple Park Way  
Cupertino, California 95014
7. Grant PAUL  
c/o Apple Inc.  
One Apple Park Way  
Cupertino, California 95014
8. William A. SORRENTINO III  
c/o Apple Inc.  
One Apple Park Way  
Cupertino, California 95014
9. Brian E. WALSH  
c/o Apple Inc.  
One Apple Park Way  
Cupertino, California 95014
10. Jean-Francois ALBOUZE  
c/o Apple Inc.  
One Apple Park Way  
Cupertino, California 95014

11. Jae Woo CHANG  
c/o Apple Inc.  
One Apple Park Way  
Cupertino, California 95014
12. Aurelio GUZMAN  
c/o Apple Inc.  
One Apple Park Way  
Cupertino, California 95014
13. Christopher J. MOULIOS  
c/o Apple Inc.  
One Apple Park Way  
Cupertino, California 95014
14. Joanna M. NEWMAN  
c/o Apple Inc.  
One Apple Park Way  
Cupertino, California 95014
15. Nicolas SCAPEL  
c/o Apple Inc.  
One Apple Park Way  
Cupertino, California 95014
16. Joseph-Alexander P. WEIL  
c/o Apple Inc.  
One Apple Park Way  
Cupertino, California 95014
17. Christopher WILSON  
c/o Apple Inc.  
One Apple Park Way  
Cupertino, California 95014

(referred to in this Assignment as “Assignors”), whose residence or mailing address information is listed above.

This Assignment is to:

Assignee: Apple Inc.  
Address: One Apple Park Way, Cupertino, California 95014  
A juristic entity duly organized under and pursuant to the laws of: California

(referred to in this Assignment as “Assignee”), which desires to acquire the entire right, title and interest in, to and under said patent application and the inventions covered thereby.

Assignors have invented certain new and useful inventions in:

CREATIVE CAMERA

for which the following application has been filed in the United States of America.

Serial No.: 16/110,514

Filing Date: August 23, 2018

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,

1. Assignors hereby sell, assign, transfer and set over, to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, provisional application and application for letters patent, any and all non-provisionals, divisions, continuations, and continuations-in-part claiming priority thereto or the benefit thereof, substitutions of said applications, and any and all letters patent or patents in the United States of America and all foreign countries or jurisdictions which may be granted therefor and thereon, including, without limitation, any modifications to such letters patent or patents such as through reissue, re-examination or other post-grant proceeding, any and all extensions of said letters patent or patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee (including any right to institute actions and to recover damages for past, present and future infringement), for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which letters patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

2. Assignors represent, warrant and covenant (a) that, at the time of execution and delivery of this agreement, Assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and said non-provisional application and application for letters patent, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner set forth in this agreement, or (b) that Assignors solely and lawfully owned the entire right, title and interest in and to said inventions and said non-provisional application and application for letters patent, and that the same were unencumbered and that Assignors sold, assigned, transferred and set over to Assignee and its successors, legal representatives and assigns, the entire right, title and interest in and to said inventions and said non-provisional application and application for letters patent.

3. Assignors shall promptly sign and execute all papers and documents, take all lawful oaths, and do all acts necessary, required or useful for the procurement, maintenance, enforcement, defense or otherwise to secure title thereto to the Assignee, at the sole cost and expense of Assignee, its successors, legal representatives and assigns, in each case including, without limitation, arising from or relating to (a) said inventions, or said non-provisional application and application for letters patent; (b) any division, continuation, or continuation-in-part claiming priority thereto or the benefit thereof, or any substitution of any such application, or (c) any letters patent or patents for said inventions in any country or jurisdiction, including, without limitation, any modifications to such letters patent or patents such as through any reissue, re-examination or other post-grant proceeding. To be clear, for purposes of this paragraph, "procurement, maintenance, enforcement, defense" shall include, without limitation, any preparation, prosecution, pre-grant proceeding, and post-grant proceeding, whether before a patent office or other administrative body or judicial body with jurisdiction therefor.

4. Assignors hereby authorize and request the Commissioner of Patents in the United States to issue the above mentioned letters patent of the United States to Assignee as the assignee of said inventions and the letters patent to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.

5. I hereby grant to attorneys of Dentons US LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark office for recordation of this Assignment, including the power to insert on this Assignment the application number and filing date of said application when known.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date: 11.15.10

Signature:   
Marcel VAN OS

Date: \_\_\_\_\_

Signature:   
Jessica ABOUKASM

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
David R. BLACK

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Robert CHINN

1. Assignors hereby sell, assign, transfer and set over, to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, provisional application and application for letters patent, any and all non-provisionals, divisions, continuations, and continuations-in-part claiming priority thereto or the benefit thereof, substitutions of said applications, and any and all letters patent or patents in the United States of America and all foreign countries or jurisdictions which may be granted therefor and thereon, including, without limitation, any modifications to such letters patent or patents such as through reissue, re-examination or other post-grant proceeding, any and all extensions of said letters patent or patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee (including any right to institute actions and to recover damages for past, present and future infringement), for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which letters patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

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In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Marcel VAN OS

Date: 10-23-2018

Signature: \_\_\_\_\_

  
Jessica ABOUKASM

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

David R. BLACK

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Robert CHINN

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In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date: .....

Signature: .....

Marcel VAN OS

Date: .....

Signature: .....

Jessica ABOUKASM

Date: 11/26/18

Signature: 

David R. BLACK

Date: .....

Signature: .....

Robert CHINN

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Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Marcel VAN OS

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Jessica ABOUKASM

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

David R. BLACK

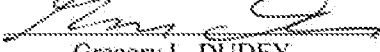
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Signature: 

Robert CHINN



Date: 10/24/18

Signature:   
Gregory L. DUDEY

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Katherine K. ERNST

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Grant PAUL

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
William A. SORRENTINO III

Date: \_\_\_\_\_

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Aurelio GUZMAN

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Date: \_\_\_\_\_

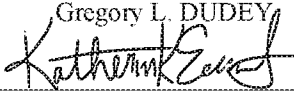
Signature: \_\_\_\_\_  
Nicolas SCAPEL

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Joseph-Alexander P. WEIL

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Christopher WILSON

Date: _____	Signature: _____ Gregory L. DUDEY
Date: 10/24/2018	Signature:  Katherine K. ERNST
Date: _____	Signature: _____ Grant PAUL
Date: _____	Signature: _____ William A. SORRENTINO III
Date: _____	Signature: _____ Brian E. WALSH
Date: _____	Signature: _____ Jean-Francois ALBOUZE
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Date: _____	Signature: _____ Nicolas SCAPEL
Date: _____	Signature: _____ Joseph-Alexander P. WEIL
Date: _____	Signature: _____ Christopher WILSON

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Gregory L. DUDEY

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Katherine K. ERNST

Date: 2 Nov 2018

Signature: *Grant Paul*  
Grant PAUL

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
William A. SORRENTINO III

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Brian E. WALSH

Date: \_\_\_\_\_

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Jean-Francois ALBOUZE

Date: \_\_\_\_\_

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Grant PAUL

Date: 11/0/13

Signature: \_\_\_\_\_  
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Jae Woo CHANG

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Aurelio GUZMAN

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Christopher J. MOULIOS

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Joanna M. NEWMAN

Date: \_\_\_\_\_

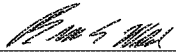
Signature: \_\_\_\_\_  
Nicolas SCAPEL


Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Joseph-Alexander P. WEIL

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Christopher WILSON

Date: _____	Signature: _____ Gregory L. DUDEY
Date: _____	Signature: _____ Katherine K. ERNST
Date: _____	Signature: _____ Grant PAUL
Date: _____	Signature: _____ William A. SORRENTINO III
Date: <u>10-23-18</u>	Signature: _____  Brian E. WALSH
Date: _____	Signature: _____ Jean-Francois ALBOUZE
Date: _____	Signature: _____ Jac Woo CHANG
Date: _____	Signature: _____ Aurelio GUZMAN
Date: _____	Signature: _____ Christopher J. MOULIOS
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Date: _____	Signature: _____ Gregory L. DUDEY
Date: _____	Signature: _____ Katherine K. ERNST
Date: _____	Signature: _____ Grant PAUL
Date: _____	Signature: _____ William A. SORRENTINO III
Date: _____	Signature: _____ Brian E. WALSH
Date: 24OCT2018	Signature: _____  Jean-Francois ALBOUZE
Date: _____	Signature: _____ Jac Woo CHANG
Date: _____	Signature: _____ Aurelio GUZMAN
Date: _____	Signature: _____ Christopher J. MOULIOS
Date: _____	Signature: _____ Joanna M. NEWMAN
Date: _____	Signature: _____ Nicolas SCAPEL
Date: _____	Signature: _____ Joseph-Alexander P. WEIL
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Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Gregory L. DUDEY

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Katherine K. ERNST

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Grant PAUL

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
William A. SORRENTINO III

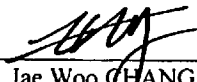
Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Brian E. WALSH

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Jean-Francois ALBOUZE

Date: 11/2/18

Signature: \_\_\_\_\_  
  
Jae Woo CHANG

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Aurelio GUZMAN

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Christopher J. MOULIOS

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Joanna M. NEWMAN

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Nicolas SCAPEL

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Joseph-Alexander P. WEIL

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Christopher WILSON

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Gregory L. DUDEY

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Katherine K. ERNST

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Grant PAUL

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
William A. SORRENTINO III

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Brian E. WALSH

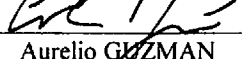
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Signature: \_\_\_\_\_  
Jean-Francois ALBOUZE

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Jae Woo CHANG

Date: 11/5/18

Signature: \_\_\_\_\_  
  
Aurelio GIZMAN

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Christopher J. MOULIOS

Date: \_\_\_\_\_

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Joanna M. NEWMAN

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Nicolas SCAPEL

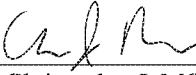
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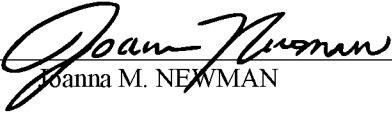
Signature: \_\_\_\_\_  
Joseph-Alexander P. WEIL

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Christopher WILSON



Date: _____	Signature: _____ Gregory L. DUDEY
Date: _____	Signature: _____ Katherine K. ERNST
Date: _____	Signature: _____ Grant PAUL
Date: _____	Signature: _____ William A. SORRENTINO III
Date: _____	Signature: _____ Brian E. WALSH
Date: _____	Signature: _____ Jean-Francois ALBOUZE
Date: _____	Signature: _____ Jac Woo CHANG
Date: _____	Signature: _____ Aurelio GUZMAN
Date: <u>11/26/2018</u>	Signature:  Christopher J. MOULIOS
Date: _____	Signature: _____ Joanna M. NEWMAN
Date: _____	Signature: _____ Nicolas SCAPEL
Date: _____	Signature: _____ Joseph-Alexander P. WEIL
Date: _____	Signature: _____ Christopher WILSON

Date: _____	Signature: _____ Gregory L. DUDEY
Date: _____	Signature: _____ Katherine K. ERNST
Date: _____	Signature: _____ Grant PAUL
Date: _____	Signature: _____ William A. SORRENTINO III
Date: _____	Signature: _____ Brian E. WALSH
Date: _____	Signature: _____ Jean-Francois ALBOUZE
Date: _____	Signature: _____ Jae Woo CHANG
Date: _____	Signature: _____ Aurelio GUZMAN
Date: _____	Signature: _____ Christopher J. MOULIOS
Date: <u>October 23, 2018</u>	Signature:  Joanna M. NEWMAN
Date: _____	Signature: _____ Nicolas SCAPEL
Date: _____	Signature: _____ Joseph-Alexander P. WEIL
Date: _____	Signature: _____ Christopher WILSON

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Gregory L. DUDEY

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Katherine K. ERNST

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Grant PAUL

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
William A. SORRENTINO III

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Brian E. WALSH

Date: \_\_\_\_\_

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Jean-Francois ALBOUZE

Date: \_\_\_\_\_

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Jae Woo CHANG

Date: \_\_\_\_\_

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Aurelio GUZMAN

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Christopher J. MOULIOS

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Joanna M. NEWMAN

Date: 11/02/18


Signature: \_\_\_\_\_  
  
Nicolas SCAPEL

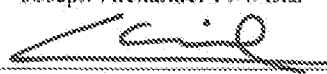
Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Joseph-Alexander P. WEIL

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Christopher WILSON

Date: _____	Signature: _____ Gregory L. DUDEY
Date: _____	Signature: _____ Katherine K. ERNST
Date: _____	Signature: _____ Grant PAUL
Date: _____	Signature: _____ William A. SORRENTINO III
Date: _____	Signature: _____ Brian E. WALSH
Date: _____	Signature: _____ Jean-Francois ALBOUZE
Date: _____	Signature: _____ Jae Woo CHANG
Date: _____	Signature: _____ Aurelio GUZMAN
Date: _____	Signature: _____ Christopher J. MOULIOS
Date: _____	Signature: _____ Joanna M. NEWMAN
Date: _____	Signature: _____ Nicolas SCABEL
Date: <b>10/30/18</b>	Signature:  Joseph-Alexander P. WEIL
Date: _____	Signature: _____ Christopher WILSON

Date: .....	Signature: ..... Gregory L. DUDEY
Date: .....	Signature: ..... Katherine K. ERNST
Date: .....	Signature: ..... Grant PAUL
Date: .....	Signature: ..... William A. SORRENTINO III
Date: .....	Signature: ..... Brian E. WALSH
Date: .....	Signature: ..... Jean-Francois ALBOUZE
Date: .....	Signature: ..... Jae Woo CHANG
Date: .....	Signature: ..... Aurelio GUZMAN
Date: .....	Signature: ..... Christopher J. MOULIOS
Date: .....	Signature: ..... Joanna M. NEWMAN
Date: .....	Signature: ..... Nicolas SCAPEL
Date: .....	Signature: ..... Joseph-Alexander P. WEIL
Date: 11/2/18	Signature:  Christopher WILSON