## 506619730 04/20/2021

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6666537

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JOHN L. BLATZ	04/07/2021
AKSHAY AGGARWAL	04/06/2021
RADHIKA BHARGAVA	04/01/2021
DAIWEI LIU	03/31/2021
PALLAVIKA RAMASWAMY	04/01/2021
KELVIN TING PUI SO	04/06/2021

### **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:	17019140

### **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.

**Phone:** 6507980309

**Email:** katya.bond@dentons.com, patent.docket@dentons.com

Correspondent Name: JOEL HAMEL
Address Line 1: DENTONS US LLP

Address Line 2: 1400 WEWATTA STREET SUITE 700

Address Line 4: DENVER, COLORADO 80202

ATTORNEY DOCKET NUMBER:	P49249US1/77870000352101
NAME OF SUBMITTER:	JOEL HAMEL
SIGNATURE:	/JOEL HAMEL/
DATE SIGNED:	04/20/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT

REEL: 055979 FRAME: 0082

Total Attachments: 12	
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PATENT REEL: 055979 FRAME: 0083

### **ASSIGNMENT**

This Assignment is by:

John L. BLATZ c/o Apple Inc. One Apple Park Way Cupertino, California 95014

(referred to in this Assignment as "Assignor"), 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.

Assignor has invented certain new and useful inventions in:

#### PROVIDING RELEVANT DATA ITEMS BASED ON CONTEXT

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

Serial No.: 17/019,140 Filing Date: September 11, 2020

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

- 1. Assignor hereby sells, assigns, transfers and sets over or acknowledges that Assignor has sold, assigned, transferred and set over, to Assignee, its successors, legal representatives and assigns, Assignor's entire right (including the right to claim priority), title and interest in and to the above-mentioned inventions, provisional application and application for letters patent, any and all provisionals, 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 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 Assignor, had this sale and assignment not been made.
- 2. Assignor represents, warrants and covenants (a) that, at the time of execution and delivery of this agreement, Assignor is a lawful owner of a 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 Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth in this agreement, or (b) that Assignor lawfully owned a 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 Assignor sold, assigned, transferred and set over to Assignee and its successors, legal representatives and assigns, the right, title and interest in and to said inventions and said non-provisional application and application for letters patent.
- 3. Assignor 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

4. Assignor hereby authorizes and requests 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 said application for letters patent, and the letters patent to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.

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

Date: 07-Apr-2021	Signature: /	/
	John L. BLATZ	

### **ASSIGNMENT**

This Assignment is by:

Akshay AGGARWAL c/o Apple Inc. One Apple Park Way Cupertino, California 95014

(referred to in this Assignment as "Assignor"), 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.

Assignor has invented certain new and useful inventions in:

#### PROVIDING RELEVANT DATA ITEMS BASED ON CONTEXT

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Serial No.: 17/019,140 Filing Date: September 11, 2020

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

- 1. Assignor hereby sells, assigns, transfers and sets over or acknowledges that Assignor has sold, assigned, transferred and set over, to Assignee, its successors, legal representatives and assigns, Assignor's entire right (including the right to claim priority), title and interest in and to the above-mentioned inventions, provisional application and application for letters patent, any and all provisionals, 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 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 Assignor, had this sale and assignment not been made.
- 2. Assignor represents, warrants and covenants (a) that, at the time of execution and delivery of this agreement, Assignor is a lawful owner of a 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 Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth in this agreement, or (b) that Assignor lawfully owned a 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 Assignor sold, assigned, transferred and set over to Assignee and its successors, legal representatives and assigns, the right, title and interest in and to said inventions and said non-provisional application and application for letters patent.
- 3. Assignor 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

Dentons US LLP

4. Assignor hereby authorizes and requests 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 said application for letters patent, and the letters patent to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.

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

_ 06-Apr-2021	-Apr-2021	( July Whing			
Date:		Signature:	/		/
		_	Α	kshav AGGARWAL	

### **ASSIGNMENT**

This Assignment is by:

Radhika BHARGAVA c/o Apple Inc. One Apple Park Way Cupertino, California 95014

(referred to in this Assignment as "Assignor"), 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.

Assignor has invented certain new and useful inventions in:

#### PROVIDING RELEVANT DATA ITEMS BASED ON CONTEXT

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

Serial No.: 17/019,140 Filing Date: September 11, 2020

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- 2. Assignor represents, warrants and covenants (a) that, at the time of execution and delivery of this agreement, Assignor is a lawful owner of a 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 Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth in this agreement, or (b) that Assignor lawfully owned a 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 Assignor sold, assigned, transferred and set over to Assignee and its successors, legal representatives and assigns, the right, title and interest in and to said inventions and said non-provisional application and application for letters patent.
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Dentons US LLP

4. Assignor hereby authorizes and requests 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 said application for letters patent, and the letters patent to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.

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

_ 01-Apr-2021				
Date:		Signature: /_		/
			Radhika BHARGAVA	

### **ASSIGNMENT**

This Assignment is by:

Daiwei LIU c/o Apple Inc. One Apple Park Way Cupertino, California 95014

(referred to in this Assignment as "Assignor"), 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.

Assignor has invented certain new and useful inventions in:

#### PROVIDING RELEVANT DATA ITEMS BASED ON CONTEXT

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Serial No.: 17/019,140 Filing Date: September 11, 2020

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Dentons US LLP

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

31-Mar-2021	Signature: /	/
	Daiwei LIU	

### **ASSIGNMENT**

This Assignment is by:

Pallavika RAMASWAMY c/o Apple Inc. One Apple Park Way Cupertino, California 95014

(referred to in this Assignment as "Assignor"), 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.

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Dentons US LLP

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

_ 01-Apr-2021	· Pallavika.K		
Date:	Signature: /	/	
	Pallavika RAMASWAMY	_	

### **ASSIGNMENT**

This Assignment is by:

Kelvin Ting Pui SO c/o Apple Inc. One Apple Park Way Cupertino, California 95014

(referred to in this Assignment as "Assignor"), 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.

Assignor has invented certain new and useful inventions in:

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Serial No.: 17/019,140 Filing Date: September 11, 2020

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Dentons US LLP

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

Date: O6-Apr-2021
Signature: / Kelvin Ting Pui SO