506702132 06/07/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6748951

SUBMISSION TYPE:		N	IEW ASSIGNMENT				
NATURE OF CONVEYANCE:		A	ASSIGNMENT				
CONVEYING PARTY	ΟΑΤΑ						
			ame			Execution Date	
ANDREW JAMES SINESIO						04/26/2021	
PATRICK L. COFFM/	AN					04/19/2021	
FRANK-ROBERT KL	INE					04/19/2021	
SARA E. KUFELDT						04/19/2021	
ROBERT MACRAE						04/22/2021	
KRANTI K. PARISA						04/29/2021	
RECEIVING PARTY	DATA						
Name:	APPLE	APPLE INC.					
Street Address:		ONE APPLE PARK WAY					
City:	CUPE	CUPERTINO					
State/Country:	CALIF	CALIFORNIA					
Postal Code:	95014	95014					
PROPERTY NUMBE		1	Number				
Property Tyr	no						
Property Typ		169905					
Property Typ Application Number		169905					
Application Number	:	169905					
Application Number CORRESPONDENCI Fax Number: <i>Correspondence wil</i>	E DATA	o the e-i	51 mail address first; if tha				
Application Number CORRESPONDENCI Fax Number: Correspondence wil using a fax number,	E DATA	o the e-i d; if that	51				
Application Number CORRESPONDENCI Fax Number: <i>Correspondence wil using a fax number,</i> Phone:	E DATA	o the e-i d; if that (650) 79	51 mail address first; if tha t is unsuccessful, it will	be sen	t via US I	lail.	
Application Number CORRESPONDENCI Fax Number: <i>Correspondence wil using a fax number,</i> Phone: Email: Correspondent Nam	E DATA Il be sent ta , if provided	o the e-i d; if that (650) 79 morgan JOEL H	51 mail address first; if tha t is unsuccessful, it will 98-0309 adams@dentons.com, p IAMEL	be sen	t via US I	lail.	
Application Number CORRESPONDENCI Fax Number: <i>Correspondence wil using a fax number,</i> Phone: Email: Correspondent Nam Address Line 1:	E DATA Il be sent ta , if provided	<i>o the e-i</i> <i>d; if that</i> (650) 79 morgan JOEL H 1400 W	51 <i>mail address first; if tha</i> <i>t is unsuccessful, it will</i> 98-0309 adams@dentons.com, p IAMEL /EWATTA STREET	be sen	t via US I	lail.	
Application Number CORRESPONDENCI Fax Number: <i>Correspondence wil using a fax number,</i> Phone: Email: Correspondent Nam Address Line 1: Address Line 2:	E DATA Il be sent ta , if provided	<i>o the e-i</i> <i>d; if that</i> (650) 79 morgan JOEL H 1400 W SUITE	51 mail address first; if tha t is unsuccessful, it will 98-0309 adams@dentons.com, p IAMEL /EWATTA STREET 700	be sen	t via US I	lail.	
Application Number CORRESPONDENCE Fax Number: <i>Correspondence will using a fax number,</i> Phone: Email: Correspondent Nam Address Line 1: Address Line 2: Address Line 4:	E DATA Il be sent ta , if provided	o the e-i d; if that (650) 79 morgan JOEL H 1400 W SUITE DENVE	51 mail address first; if tha t is unsuccessful, it will 98-0309 adams@dentons.com, p IAMEL /EWATTA STREET 700 R, COLORADO 80202	<i>be sen</i> patents.u	t via US I	lail.	
Application Number CORRESPONDENCI Fax Number: Correspondence will using a fax number, Phone: Email: Correspondent Nam Address Line 1: Address Line 2: Address Line 4:	E DATA Il be sent to if provident ne:	o the e-i d; if that (650) 79 morgan JOEL H 1400 W SUITE DENVE	51 mail address first; if tha t is unsuccessful, it will 98-0309 adams@dentons.com, p IAMEL /EWATTA STREET 700 R, COLORADO 80202	<i>be sen</i> patents.u	t via US I	lail.	
Application Number CORRESPONDENCI Fax Number: <i>Correspondence wil using a fax number,</i> Phone: Email: Correspondent Nam Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET	E DATA Il be sent to if provident ne:	o the e-i d; if that (650) 79 morgan JOEL H 1400 W SUITE DENVE	51 mail address first; if tha t is unsuccessful, it will 98-0309 adams@dentons.com, p IAMEL /EWATTA STREET 700 R, COLORADO 80202 249261US1/77870000353 OEL HAMEL	<i>be sen</i> patents.u	t via US I	lail.	
Application Number CORRESPONDENCI Fax Number: Correspondence will using a fax number, Phone: Email: Correspondent Nam Address Line 1: Address Line 2: Address Line 4:	E DATA Il be sent to if provident ne:	o the e-i d; if that (650) 79 morgan JOEL H 1400 W SUITE DENVE	51 mail address first; if tha t is unsuccessful, it will 98-0309 adams@dentons.com, p IAMEL /EWATTA STREET 700 R, COLORADO 80202	<i>be sen</i> patents.u	t via US I	lail.	

Total Attachments: 12

source=P49261US1_Assignment#page1.tif source=P49261US1_Assignment#page2.tif source=P49261US1_Assignment#page3.tif source=P49261US1_Assignment#page4.tif source=P49261US1_Assignment#page5.tif source=P49261US1_Assignment#page6.tif source=P49261US1_Assignment#page7.tif source=P49261US1_Assignment#page8.tif source=P49261US1_Assignment#page9.tif source=P49261US1_Assignment#page10.tif source=P49261US1_Assignment#page11.tif source=P49261US1_Assignment#page11.tif

This Assignment is by:

Andrew James SINESIO 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:

REDUCING DESCRIPTION LENGTH BASED ON CONFIDENCE

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

Serial No.: 16/990,551 Filing Date: August 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 nonprovisional 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 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

Dentons US LLP 117700568

> PATENT REEL: 056459 FRAME: 0828

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: 26-Apr-2021

Signature: / _______ Andrew James SINESIO

This Assignment is by:

Patrick L. COFFMAN 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:

REDUCING DESCRIPTION LENGTH BASED ON CONFIDENCE

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

Serial No.: 16/990,551 Filing Date: August 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 nonprovisional 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 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

Dentons US LLP 117700983

> PATENT REEL: 056459 FRAME: 0830

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: 19-Apr-2021

Signature: / ______ Patrick L. COFFMAN

This Assignment is by:

Frank-Robert KLINE 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:

REDUCING DESCRIPTION LENGTH BASED ON CONFIDENCE

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

Serial No.: 16/990,551 Filing Date: August 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 nonprovisional 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 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

Dentons US LLP 117700699

> PATENT REEL: 056459 FRAME: 0832

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: 19-Apr-2021

Signature: /______ Frank-Robert KLINE

This Assignment is by:

Sara E. KUFELDT 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:

REDUCING DESCRIPTION LENGTH BASED ON CONFIDENCE

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

Serial No.: 16/990,551 Filing Date: August 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 nonprovisional 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 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

Dentons US LLP 117700857

> PATENT REEL: 056459 FRAME: 0834

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: 19-Apr-2021

Signature: / Sara E. KUFELDT

This Assignment is by:

Robert MACRAE 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 jurístic 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:

REDUCING DESCRIPTION LENGTH BASED ON CONFIDENCE

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

Serial No.: 16/990,551 Filing Date: August 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 nonprovisional 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 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

Dentons US LLP 117700972

> PATENT REEL: 056459 FRAME: 0836

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: 22-Apr-2021

Signature: /______ Robert MACRAE

This Assignment is by:

Krantí K. PARISA 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:

REDUCING DESCRIPTION LENGTH BASED ON CONFIDENCE

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

Serial No.: 16/990,551 Filing Date: August 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 nonprovisional 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 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

Dentons US LLP 117700961

> PATENT REEL: 056459 FRAME: 0838

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: 29-Apr-2021

Signature: /_____ Kranti K. PARISA

Dentons US LLP 117700961

PATENT REEL: 056459 FRAME: 0839

RECORDED: 06/07/2021