

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6166661

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
OLIVER THOMAS RUEPP	05/14/2020
JAI PRAKASH	05/13/2020
JOHAN HEDBORG	06/22/2020
RAHUL RAGURAM	05/14/2020
MICHELE STOPPA	05/26/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	APPLE INC.
<b>Street Address:</b>	ONE APPLE PARK WAY
<b>Internal Address:</b>	M/S 169 3IPL
<b>City:</b>	CUPERTINO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95014
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16909014
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Email:</b>	mail@fernando-ip.com
<b>Correspondent Name:</b>	FERNANDO & PARTNERS LLP
<b>Address Line 1:</b>	2712 AUGUSTINE DRIVE
<b>Address Line 2:</b>	SUITE 240
<b>Address Line 4:</b>	SANTA CLARA, CALIFORNIA 95054
<b>ATTORNEY DOCKET NUMBER:</b>	27753-50256US1
<b>NAME OF SUBMITTER:</b>	WILLIAM J. HIGLEY
<b>SIGNATURE:</b>	/William J. Higley/
<b>DATE SIGNED:</b>	06/23/2020
<b>Total Attachments: 3</b>	

source=2020-06-23\_P41086US1\_Assignment\_27753-50256US1#page1.tif

source=2020-06-23\_P41086US1\_Assignment\_27753-50256US1#page2.tif

source=2020-06-23\_P41086US1\_Assignment\_27753-50256US1#page3.tif

**ASSIGNMENT**

WHEREAS WE, **Oliver Thomas Ruepp** residing in Baierbrunn, Denmark, **Jai Prakash** residing in Cupertino, CA, **Johan Hedborg** residing in Sunnyvale, CA, **Rahul Raguram** residing in San Carlos, CA and **Michele Stoppa** residing in Sunnyvale, CA (the "ASSIGNORS") are the inventors of the invention in **METHOD AND DEVICE FOR HEADING ESTIMATION**, described in an application for a Patent of the United States

- which is executed on even date herewith
- which is identified by Fernando & Partners, LLP docket no. 27753-50256US1
- which was filed on \_\_\_\_\_, Application No. \_\_\_\_\_

and WHEREAS, **Apple Inc.** ("ASSIGNEE"), a corporation, having a place of business at **One Apple Park Way, M/S 169 3IPL, Cupertino, CA 95014**, is desirous of obtaining our entire right, title and interest in, to and under said invention and said application:


NOW, THEREFORE, let it be known that for and in consideration of the sum of One Dollar (\$1.00) to us paid, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under said invention, and said United States application and all divisions, renewals and continuations thereof, and any substitute applications therefore, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; said United States provisional patent application(s), if any, on which said United States application claims priority; and all applications for intellectual property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application and said United States provisional patent application(s), if any, under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of intellectual property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of intellectual property protection on applications as aforesaid, to issue the same to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

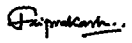
AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year set opposite our signature.

  
\_\_\_\_\_  
**Oliver Thomas Ruepp**

Date: 14-May-2020

  
\_\_\_\_\_  
**Jai Prakash**

Date: 13-May-2020

\_\_\_\_\_  
**Johan Hedborg**

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

**ASSIGNMENT**

WHEREAS WE, **Oliver Thomas Ruepp** residing in Baierbrunn, Denmark, **Jai Prakash** residing in Cupertino, CA, **Johan Hedborg** residing in Sunnyvale, CA, **Rahul Raguram** residing in San Carlos, CA and **Michele Stoppa** residing in Sunnyvale, CA (the "ASSIGNORS") are the inventors of the invention in **METHOD AND DEVICE FOR HEADING ESTIMATION**, described in an application for a Patent of the United States

- which is executed on even date herewith
- which is identified by Fernando & Partners, LLP docket no. 27753-50256US1
- which was filed on \_\_\_\_\_, Application No. \_\_\_\_\_

and WHEREAS, **Apple Inc.** ("ASSIGNEE"), a corporation, having a place of business at **One Apple Park Way, M/S 169 3IPL, Cupertino, CA 95014**, is desirous of obtaining our entire right, title and interest in, to and under said invention and said application:

NOW, THEREFORE, let it be known that for and in consideration of the sum of One Dollar (\$1.00) to us paid, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under said invention, and said United States application and all divisions, renewals and continuations thereof, and any substitute applications therefore, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; said United States provisional patent application(s), if any, on which said United States application claims priority; and all applications for intellectual property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application and said United States provisional patent application(s), if any, under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of intellectual property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of intellectual property protection on applications as aforesaid, to issue the same to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

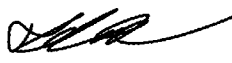
IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year set opposite our signature.

\_\_\_\_\_  
**Oliver Thomas Ruepp**

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

\_\_\_\_\_  
**Jai Prakash**

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

\_\_\_\_\_  
  
**Johan Hedborg**

Date: 22-Jun-2020

*Rahul Raguram*  
\_\_\_\_\_  
Rahul Raguram

Date: 14-May-2020  
\_\_\_\_\_

*Michele Stoppa*  
\_\_\_\_\_  
Michele Stoppa

Date: 26-May-2020  
\_\_\_\_\_