## 504497667 08/10/2017

## PATENT ASSIGNMENT COVER SHEET

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UBMISSION TYPE:		NEW ASSIGNMENT	
ATURE OF CONVEYA	NCE:	ASSIGNMENT	
CONVEYING PARTY D	ΑΤΑ		
		Name	Execution Date
CRAIG H. MERMEL			07/27/2017
ALEXANDER SINGH ALVARADO		0	04/14/2017
DANIEL M. TRIETSCH			07/06/2017
HUNG A. PHAM			05/10/2017
KARTHIK JAYARAMAN	RAGHU	RAM	05/10/2017
RICHARD CHANNING I	MOORE		08/07/2017
RECEIVING PARTY DA	TA		
Name:	APPLE	INC.	
Street Address:	1 INFIN	NITE LOOP	
City:	CUPEF	RTINO	
State/Country:	CALIFO	ORNIA	
State/Country: Postal Code:	95014		
Postal Code:	95014		
Postal Code: PROPERTY NUMBERS Property Type	95014		
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PATENT Attorney Docket No. 337722-615001 Client Ref. P26341US1

## **ASSIGNMENT**

WHEREAS, We, Craig H. Mermel, Alexander Singh Alvarado, Daniel M. Trietsch, Hung A. Pham, Karthik Jayaraman Raghuram and Richard Channing Moore, have invented one or more inventions described in an application (or provisional application) for Letters Patent of the United States entitled:

## "CALCULATING AN ESTIMATE OF WIND RESISTANCE EXPERIENCED BY A CYCLIST"

and identified by

Application No. 15/264,976 filed in the U.S. Patent and Trademark Office on September 14, 2016; and

WHEREAS, Apple Inc., (hereinafter "ASSIGNEE"), a California corporation having a usual place of business at 1 Infinite Loop, Cupertino, CA 95014, desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, at least as early as the filing date of said application, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with our entire right, title and interest in and to said application, and such Letters Patent that may issue thereon and applications that claim priority thereto under United States law or international convention, and such Letters Patent that may issue thereon, including but not limited to non-U.S., international, non-provisional, continuation, divisional, reissue, reexamination, extension, and substitution applications of said application and such Letters Patent, and any right, title and interest we may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of our entire right, title and interest therein;

> PATENT REEL: 043256 FRAME: 0828

Assignment U.S. Application No. 15/264,976 Page 2 of 2

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of papers for filing of non-provisional, substitution, continuation, divisional, reissue, reexamination, and corresponding foreign and international patent applications;

AND, we hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

AND, we hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on the date of our execution of this assignment;

AND, we do hereby authorize and request the Director of the United States Patent and Trademark Office and the empowered officials of all other governments to issue such Letters Patent as shall be granted upon said application, or applications based thereon, to said ASSIGNEE, its successors, assigns or legal representatives.

IN WITNESS WHEREOF, Inventors/Assignors have caused this Assignment to be duly executed on the date set forth below.

Craig H. Mermel

Dated: \_\_\_\_\_\_\_

Alexander Singh Alvarado

Dated:

Daniel M. Trietsch

Dated:	

Hung A. Pham


AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of papers for filing of non-provisional, substitution, continuation, divisional, reissue, reexamination, and corresponding foreign and international patent applications;

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IN WITNESS WHEREOF, Inventors/Assignors have caused this Assignment to be duly executed on the date set forth below.

Craig H. Mermel

Dated:

Alexander Singh Alvarado

Dated: April 19/17

Daniel M. Trietsch

Hung A. Pham

Assignment U.S. Application No. 15/264,976 Page 2 of 2

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of papers for filing of non-provisional, substitution, continuation, divisional, reissue, reexamination, and corresponding foreign and international patent applications;

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Craig H. Mermel

Dated:

Alexander Singh Alvarado

Dated:

and

Daniel M. Trietsch

Dated:

Hung A. Pham

Dated: \_\_\_\_\_

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Craig H. Mermel

Dated:

Alexander Singh Alvarado

Dated:

Daniel M. Trietsch

Dated:

hi Meren

Dated: 5-10-17

Assignment U.S. Application No. 15/264.976 Page 3 of 2

Mhan Karthik Jayaraman Raghuram

Dated: \_05/10/2017-

Richard Channing Moore

Dated:

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Assignment U.S. Application No. 15/264,976 Page 3 of 3

Karthik Jayaraman Raghuram

Dated:

Richard Channing Moore 17 Dated:

PATENT REEL: 043256 FRAME: 0834

**RECORDED: 08/10/2017**