

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6101225

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HYUNG-SUK KIM	03/25/2020
DANIEL C. KLINGLER	04/29/2020
MIQUEL ESPI MARQUES	04/27/2020
CARLOS M. AVENDANO	04/27/2020
<b>RECEIVING PARTY DATA</b>	
<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
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16872168
<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>Phone:</b>	5038449009
<b>Email:</b>	docketing@ganzlaw.com
<b>Correspondent Name:</b>	GANZ POLLARD, LLC
<b>Address Line 1:</b>	P.O. BOX 2200
<b>Address Line 4:</b>	HILLSBORO, OREGON 97123
<b>ATTORNEY DOCKET NUMBER:</b>	P40983US1/APP2026US
<b>NAME OF SUBMITTER:</b>	RACHEL A. TOWNSEND
<b>SIGNATURE:</b>	/Rachel A. Townsend/
<b>DATE SIGNED:</b>	05/11/2020
<b>Total Attachments: 12</b>	
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## ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, I/we, the undersigned, as inventor(s) and Assignor(s) of certain inventions, (hereafter, the "Inventions") for which I/we are making application, as follows:

United States Provisional Patent Application  
Entitled: SYSTEMS AND METHODS FOR IDENTIFYING AN ACOUSTIC SOURCE  
BASED ON OBSERVED SOUND  
Filed on July 15, 2019  
Assigned Application Serial Number 62/874,389  
Identified by Attorney Docket No P40983USP1/APP2026PR of GANZ POLLARD, LLC  
P.O. Box 2200, Hillsboro, OR 97123

and,

United States Non-Provisional Patent Application  
Entitled: SYSTEMS AND METHODS FOR IDENTIFYING AN ACOUSTIC SOURCE  
BASED ON OBSERVED SOUND  
Filed on May 11, 2020  
Assigned Application Serial Number 16/872,168  
Identified by Attorney Docket No P40983US1/APP2026US of GANZ POLLARD, LLC  
P.O. Box 2200, Hillsboro, OR 97123

(Hereinafter referred to as the "Patent Applications")

hereby sell, assign, and transfer unto

Apple Inc.  
of One Apple Park Way, Cupertino, CA 95014 a corporation.

for its own use and benefit, and for its successors and assigns, or such nominee(s) as it may designate (hereinafter individually and collectively referred to as the "Assignee"), the entire right, title and interest, for all countries, in and to: (a) the Inventions; (b) the Patent Applications and all related patent rights; (c) all other provisional, non-provisional, and design patent applications pertaining to said Inventions or the Patent Applications (the "Other Applications"); (d) all patent or registration applications claiming priority to the Patent Applications and/or to the Other Applications, or from which the Patent Applications or the Other Applications claim priority, including international and foreign applications (collectively, the "Priority Applications"); (e) all continuation, continuation-in-part, and divisional applications of the Patent Applications, the Other Applications and the Priority Applications (the "Continuing Applications"); (f) all reissues, re-examinations and/or extensions relating to or of the Patent Applications, the Other Applications or the Priority Applications, including, without limitation, all renewals of and/or substitutes thereof (collectively, the "Extensions"); and (g) all rights and privileges that may be issued, granted, registered, or otherwise arise from, in any country, all said Inventions (such rights and privileges including, without limitation, all patent rights, other protections arising from patent applications, and other proprietary rights). Hereinafter, all the Patent Applications, Other Applications, Priority Applications, Continuing Applications and rights arising therefrom are collectively referred to as "Patent Family Rights."

If the U.S. Serial Number, the filing date, or both, are unknown at the time of execution of this Assignment, Assignor(s) authorizes any attorney listed with GANZ POLLARD, LLC, or otherwise listed with USPTO Customer Number 130224, to insert where indicated above, the serial number, the filing date, or both, when known, and to make changes to the Attorney Docket No. listed herein.

Without limiting the generality of the foregoing, Assignor(s) requests and agrees that all patents under Patent Family Rights shall issue to said Assignee, as the sole owner of the entire right, title and interest in and to any and all said patents and said inventions thereby patented. And Assignor(s) grants Assignee a limited power of attorney to execute documents on behalf of Assignor(s) to give effect to this provision in case Assignor(s) is unavailable, deceased, incapacitated, or otherwise unable or unwilling to cooperate in the process of effecting a transfer of ownership, or recordation of ownership right(s) in the name of the Assignee.

Assignor(s) agrees that, when requested, Assignor(s) will, without charge to said Assignee but at Assignee's expense, execute additional assignments and all other writings, make all declarations and take all oaths, and do all other acts which Assignee reasonably may deem necessary, desirable or convenient (i) for perfecting, securing, maintaining, asserting, and enforcing any and all Patent Family Rights in any and all countries and (ii) for vesting the entire right, title and interest therein and thereto solely in said Assignee. Assignor(s) hereby assigns, and authorizes and empowers said Assignee to invoke and claim in any application in the Patent Family Rights filed by or for it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any treaty or convention which may henceforth be substituted for or be an alternative to the Convention, and authorizes and empowers said Assignee to invoke and claim such right of priority without further written or oral authorization from Assignor(s).

This Assignment grants said Assignee the sole right (a) to pursue in its own name any past, present, or future actions (including, without limitation, claims of infringement) based on any and all rights and privileges that may be issued, granted or otherwise arise from, or relate to, in any country, the Patent Family Rights; and (b) to exclusively retain any awards, settlements, or other remedies therefrom, as fully and as entirely as we would have had the right to pursue and to retain had this assignment and sale not been made.

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IN WITNESS WHEREOF, Assignor(s) signs on the day and year set forth below.

  
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HYUNG-SUK KIM

3/25/2020  
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DATE

\_\_\_\_\_  
DANIEL C. KLINGLER

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DATE

\_\_\_\_\_  
MIQUEL ESPI MARQUES

\_\_\_\_\_  
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CARLOS M. AVENDANO

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IN WITNESS WHEREOF, Assignor(s) signs on the day and year set forth below.

\_\_\_\_\_  
HYUNG-SUK KIM

\_\_\_\_\_  
DATE

/ *DKL* /

29-Apr-2020

\_\_\_\_\_  
DANIEL C. KLINGLER

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DATE

\_\_\_\_\_  
MIQUEL ESPI MARQUES

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27-Apr-2020

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/ *Carlos M. Avendano* /

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