

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PAUL X. WANG	06/09/2020
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Property Type	Number
Application Number:	16923474
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NAME OF SUBMITTER:	EMMA SEMO
SIGNATURE:	/Emma Semo/
DATE SIGNED:	04/26/2022
Total Attachments: 3	
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A S S I G N M E N T

WHEREAS, I, Paul X. Wang, residing in Cupertino, California, have made an invention entitled:

ULTRASONIC HAPTIC OUTPUT DEVICES

and

(1) am about to make an application for United States Letters Patent therefor, the same having been executed by myself on even date herewith

OR

(2) have made an application for United States Letters Patent therefor, the same having been filed on (_____) under Application No. (_____), in connection with which I hereby authorize and request the assignee's attorneys associated with Customer Number 65015 to insert within the foregoing parentheses the filing date and Application No. of said application when known; and

WHEREAS, APPLE INC., a corporation organized and existing under the laws of the State of California and having an address of One Apple Park Way, Cupertino, California 95014, is desirous of acquiring the entire interest in said invention, said United States patent application and in any Letters Patent which may issue thereon;

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) paid, and other good and valuable consideration, the receipt and

sufficiency of which is hereby acknowledged, I do hereby sell, assign and transfer unto the said APPLE INC., its successors, assigns and legal representatives, all right, title and interest in and to said invention and any improvements thereon for all countries of the world, and in and to said United States patent application, including any continuations, continuations-in-part and divisions thereof, and any substitute applications therefor, and including the right to claim priority under the International Convention based on said patent application, and any patent which may issue thereon, and any reissues of the same; and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country, including renewals, revivals, continuations and divisions thereof, and any substitute applications therefor, and any and all patents which may issue thereon, and any reissues and extensions of the same;

and I hereby authorize and request competent authorities to grant and issue any and all patents on said invention to the said APPLE INC. as the assignee of the entire interest therein; and I further agree to execute upon request of the assignee such additional documents, if any, as are necessary and proper to secure patent protection on said invention throughout all countries of the world, and to otherwise give full effect to and perfect the rights of the assignee under this Assignment.

P4222US1

IN TESTIMONY WHEREOF, I have hereunto signed my
name on the date indicated hereinafter.

09-Jun-2020

Date

/ *slg* /

Paul X. Wang