

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
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XIAOYUAN TU	04/07/2022
ALEXANDER SINGH ALVARADO	04/10/2022
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Property Type	Number
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DATE SIGNED:	06/29/2022
Total Attachments: 2	
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ASSIGNMENT BY INVENTORS

WHEREAS, we, **Margaret H Tam, Xiaoyuan Tu, Alexander Singh Alvarado, Adam S Howell** (hereinafter referred to as "Assignors") have invented certain new and useful improvements in "**Head to Headset Rotation Transform Estimation For Head Pose Tracking In Spatial Audio Applications**", shown and described in U.S. Patent Application No. **US17349907** filed **6/16/2021**. (the "Application") and;

WHEREAS, **Apple Inc.**, a California corporation, having its principal place of business at One Apple Park Way, Cupertino, CA 95014, U.S.A (hereinafter referred to as Assignee), is desirous of acquiring Assignors entire right, title and interest in and to said inventions, Application and any patents which may issue thereon;

NOW, THEREFORE, be it known by all whom it may concern that for good and valuable consideration, the receipt of which is hereby acknowledged, Assignors agree to assign and hereby assign to Assignee for the territory of the United States of America and the entire world Assignors entire right, title and interest in and to said inventions and Application, and in and to any and all patent applications in the United States and all countries foreign to the United States which may claim priority to said Application or which may be directed to said inventions, said patent applications including without limitation any and all provisionals, non-provisionals, divisionals, continuations, continuations-in-part, utility models, industrial models, and designs, and in and to any and all patents in the United States and all countries foreign to the United States which may be granted therefore and thereon, and in and to any reissues, reexaminations, and extensions of said patents. Assignors hereby transfer and convey to Assignee any right to recover for past and future infringement of the patents assigned herein.

Assignors HEREBY grant the attorneys at **Fish and Richardson** the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

14-Apr-2022

/  /
Margaret H Tam

Apr 7, 2022

/  /
Xiaoyuan Tu

Apr 10, 2022

/ *Alex Singh* /

Alexander Singh Alvarado

Apr 7, 2022

/ *Adam S Howell* /

Adam S Howell