

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
QI SUN	04/01/2019
LI -YI WEI	04/01/2019
JOON-YOUNG LEE	04/01/2019
JONATHAN EISENMANN	04/01/2019
JINWOONG JUNG	04/07/2019
BYUNGMOON KIM	04/04/2019
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16372202
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DATE SIGNED:	12/30/2020
Total Attachments: 3	

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ASSIGNMENT

WHEREAS, we, Qi Sun, Li-Yi Wei, Joon-Young Lee, Jonathan Eisenmann, Jinwoong Jung, Byungmoon Kim (“ASSIGNORS”), are the original and joint inventors of subject matter disclosed and/or claimed in a nonprovisional patent application, the title of which is:

CLASSIFYING PANORAMIC IMAGES

for which we are about to make, or have made, application for Letters Patent of the United States. ASSIGNORS hereby authorize legal representatives of Shook, Hardy & Bacon L.L.P. to insert here in parentheses the Application No. (16/372,202), and Filing Date (4/1/2019), when known; and

WHEREAS, ADOBE INC. (“ASSIGNEE”), a corporation duly organized under the laws of the State of Delaware, and having its principal place of business at 345 Park Avenue, San Jose, California 95110-2704, USA, is desirous of acquiring an interest in, to and under said invention, said application and any and all Letters Patent which may be granted for or upon said invention in the United States of America and all countries foreign thereto;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right, title and interest, throughout the world, in, to and under said invention as fully set forth and described in the above-identified application; in, to and under said application; in, to and under any and all refilings, divisions and continuations of said application; in, to and under any and all Letters Patent of the United States of America which may issue from said application, refilings, divisions and continuations; in, to and under any and all reissues of said Letters Patent of the United States of America; in, to and under any and all

applications for Letters Patent upon said invention which may hereafter be filed in any and all countries foreign to the United States of America; in, to and under any and all refilings, divisions and continuations of said foreign-filed applications; in, to and under any and all Letters Patent of countries foreign to the United States of America, which may issue from the said foreign-filed applications, refilings, divisions and continuations; and in, to and under any and all extensions of, and additions to, said Letters Patent of countries foreign to the United States of America, the same to be held and enjoyed by said ASSIGNEE, for its own use and behoof, and for its successors, legal representatives and assigns, to the full end of the term for which said Letters Patent may be granted, and ASSIGNORS do hereby authorize and request the Commissioner of Patents to issue the said Letters Patent in accordance with this assignment.

EXECUTED this 1st day of April, 2019.

Qi Sun
Qi Sun (Apr 1, 2019)
Qi Sun

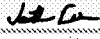
EXECUTED this 1st day of April, 2019.

Li-Yi Wei
Li-Yi Wei

EXECUTED this 1st day of April, 2019.

Joon-Young Lee
Joon-Young Lee (Apr 1, 2019)
Joon-Young Lee

EXECUTED this 1st day of April, 2019.


/ Jonathan Eisenmann (Apr 1, 2019) /
Jonathan Eisenmann

EXECUTED this 7th day of April, 2019.


/ Jinwoong Jung (Apr 7, 2019) /
Jinwoong Jung

EXECUTED this 4 day of 4, 2019.


/ Byungmoon Kim (Apr 4, 2019) /
Byungmoon Kim