505282511 01/16/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARK R. AYRES	09/26/2018
ADAM URNESS	09/26/2018
KENNETH E. ANDERSON	09/26/2018
FRISO SCHLOTTAU	09/26/2018

RECEIVING PARTY DATA

Name:	APPLE INC.	
Street Address:	ONE APPLE PARK WAY	
City:	CUPERTINO	
State/Country:	CALIFORNIA	
Postal Code:	95014	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16144390

CORRESPONDENCE DATA

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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.

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ATTORNEY DOCKET NUMBER: AK17_US1

NAME OF SUBMITTER: STORMY SCOTT

SIGNATURE: /Stormy Scott/

DATE SIGNED: 01/16/2019

Total Attachments: 3

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PATENT 505282511 REEL: 048038 FRAME: 0090

ASSIGNMENT

WHEREAS, We, Mark R. Ayres, Adam Urness, Kenneth E. Anderson, and Friso Schlottau, residing respectively in Boulder, Colorado, Louisville, Colorado, Longmont, Colorado, and Lyons, Colorado, have made an invention entitled:

COHERENT SKEW MIRRORS

and

105 1

(1) are about to make an application for United States Letters Patent therefor, the same having been executed by us 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 we 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, AKONIA HOLOGRAPHICS LLC, a corporation organized and existing under the laws of the State of and having an address of 2021 Miller Drive, Longmont, Colorado 80501, is desirous of acquiring the entire interest in said invention, said United States patent application and in any Letters Patent which may issue thereon;

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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, we do hereby sell, assign and transfer unto the said AKONIA HOLOGRAPHICS LLC, 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 we hereby authorize and request competent authorities to grant and issue any and all patents on said invention to the said AKONIA HOLOGRAPHICS LLC as the assignee of the entire interest therein; and we 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.

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IN TESTIMONY WHEREOF, we have hereunto signed our names on the dates indicated hereinafter.

9/26/18 Date

Mark R. Ayres

9/26/13 Date

Adam Urness

9/24/18

Kenneth E. Anderson

9/26/19 Date

Friso Schlottan