503046995 11/04/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SCOTT BENJAMIN SINGER	11/03/2014
DIMITRI D. KRUT	11/03/2014
NASSER H. KARAM	11/03/2014

RECEIVING PARTY DATA

Name:	THE BOEING COMPANY	
Street Address:	100 NORTH RIVERSIDE PLAZA	
City:	CHICAGO	
State/Country:	ILLINOIS	
Postal Code:	60606-2016	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14532356

CORRESPONDENCE DATA

Fax Number: (972)385-7766

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.

Phone: 9723858777

Email: ptonotifs@yeeiplaw.com

Correspondent Name: DUKE W. YEE

Address Line 1: YEE & ASSOCIATES, P.C.

Address Line 2: P.O. BOX 802333

Address Line 4: DALLAS, TEXAS 75380

ATTORNEY DOCKET NUMBER: 14-1454-US-CIP

NAME OF SUBMITTER: PETER J. MANGHERA

SIGNATURE: /Peter J. Manghera/

DATE SIGNED: 11/04/2014

Total Attachments: 1

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PATENT 503046995 REEL: 034099 FRAME: 0087

Docket No.: 14-1454-US-CIP

ASSIGNMENT

WHEREAS, SCOTT BENJAMIN SINGER, residing at SHERMAN OAKS, CALIFORNIA; DIMITRI D. KRUT, residing at ENCINO, CALIFORNIA; and NASSER H. KARAM, residing at LACANADA, CALIFORNIA (hereinafter "Assignor"), has invented certain new and useful improvements in MICRO-CONCENTRATOR SOLAR ARRAY USING MICRO-ELECTROMECHANICAL SYSTEMS (MEMS) BASED REFLECTORS (hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignor concurrently herewith.

WHEREAS. The Boeing Company, a corporation organized and existing under the laws of the State of Delaware, US, having a place of business at 100 North Riverside Plaza, Chicago, Illinois 60606-2016, with a mailing address of 5301 Bolsa Avenue, M/C H011-B171, Huntington Beach, California 92647, USA (hereinafter called "the Assignee"), is desirous of acquiring the entire right, title and interest in and to the invention within the United States of America and its territorial possessions and all foreign countries any United States or foreign LETTERS PATENT that may be granted therefor.

NOW, THEREFORE, for good and valuable considerations, the receipt which is hereby acknowledged, Assignor has assigned, sold and transferred, and does assign, sell and transfer to the Assignee the entire right, title and interest in and to the invention within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty including any international convention, for the protection of industrial property, together with the right to extend the protection of the United States LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America. Assignee will hold all rights for its own use and benefit and for the use and benefit of its successors or assigns to the full end of the term for which the LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. Assignor requests and authorizes the Commissioner of Patents and Trademarks, US and its foreign counterparts, to issue the LETTERS PATENT when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the invention, which title Assignor warrants to the Assignee. Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request and expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the invention, and for maintaining and perfecting the Assignee's right to the invention and LETTERS PATENT particularly in cases of interference conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have signed this Assignment on the date specified below.

1/3/2019 COTT BENJAMIN SINGER (date)

DIMITRI D. KRUT

(date)

4/19/2/2014 NASSER H. KARAM (date)