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Director of the United States Patent and Trademark Office  
P.O. Box 1450; Assignments and Recordations via Fax 571-273-0140  
Alexandria, VA 22313-1450

Sir:

Please record the attached original document or copy thereof.

- (1) Conveying party: Russel A. Chipman; Brian J. Daugherty; Stephen C. McClain
- (2) Receiving party: University of Arizona  
888 N. Euclid Ave., Tucson, AZ 85721
- (3) Nature of conveyance: Assignment
- (4) Application No.: 13/018,672; Docket No. NPO-47310-1-CU  
Filing Date: 2/1/2011
- (5) Return recorded document to: Mark Homer  
NASA Management Office, M/S 180-200  
Jet Propulsion Laboratory,  
4800 Oak Grove Drive,  
Pasadena, CA 91109  
Fax: 818-393-3160
- (6) Total number of applications involved: One
- (7) Total fee (37 CFR 3.41): \$40
- (8) Charge to: Deposit Account No. 14-0116
- (9) To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. The cover sheet consists of one page.

Total number of pages including cover sheet, attachments and documents: 3

Respectfully,

A handwritten signature in black ink, appearing to read "Mark Homer".

Mark Homer  
Registration No. 41,848  
(818) 354-7770

CH \$40.00 140116 13018672

NPO-47310-1-CU  
NASA Case No.ASSIGNMENTRussell A. CHIPMAN, Brian J. DAUGHERTY, Stephen C. McCLAINthe ASSIGNORS herein, and the inventors of a new or improved and useful METHOD AND APPARATUS FOR MEASURING NEAR-ANGLE SCATTERING OF MIRROR COATINGS

(NASA Docket No. NPO-47310-1-CU), desiring to acquire patent protection therefore and for their existing improvement(s) therein, if any, (referred to hereinafter as the INVENTION), have executed concurrently herewith an application for Letters Patent of the United States of America.

Arizona Board of Regents on behalf of The University of Arizona, the ASSIGNEE herein, a body corporate organized and existing under the laws of the State of Arizona, and having a place of business at Tucson, Arizona, desires to acquire the entire right, title and interest in the INVENTION, and all patent application(s) filed or pending, and Letters Patent granted and issued on the INVENTION.

NOW, THEREFORE, for valuable consideration, the receipt and legal sufficiency of which is acknowledged, the ASSIGNORS hereby assign, transfer, and set over to the ASSIGNEE, its successors and assigns, the entire right, title and interest in the INVENTION and the aforementioned application for Letters Patent, together with any other application(s), including divisional, continuing and continuations-in-part application(s) of the ASSIGNORS pertaining to or based upon the INVENTION, and any and all Letters Patent which have been or may be granted and issued thereon by the United States of America or foreign countries, together with and including all priority rights deriving from applications subject to this Assignment filed in the United States of America; and

The ASSIGNORS hereby authorize and empower the ASSIGNEE, its successors and assigns, to apply for and obtain, in its or their own names, Letters Patent in any and all countries foreign to the United States in which applications for Letters Patent, or like protection, for the INVENTION, may be filed; and

The ASSIGNORS agree, at the request of the ASSIGNEE, to execute any and all domestic and foreign applications for Letters Patent, to execute all other papers and documents and to perform all lawful acts that the requestor may deem necessary or desirable to obtain Letters Patent, to secure the grant of such Letters Patent and to protect and vest in the ASSIGNEE, or its successors or assigns, the entire right, title and interest in the INVENTION.

WITNESS our hands at Tucson, AZ this 20 day of January, 2011.

Russell A. Chipman  
Russell A. Chipman

State of ARIZONA)  
County of Pima )

On January 20, 2011 before me, Richard A. Franco  
personally appeared Russell A. Chipman

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

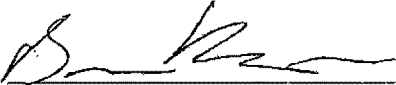
WITNESS my hand and official seal.

Richard A. Franco  
Notary Public

(SEAL)

PATENT  
REEL: 025814 FRAME: 0326

WITNESS our hands at Tucson AZ this 20 day of Jan, 2010.



Brian J. Daugherty

State of ARIZONA )  
County of Pima )

On January 20, 2011 before me, Richard A. Franer  
personally appeared Brian J. Daugherty

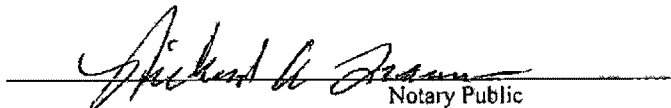
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

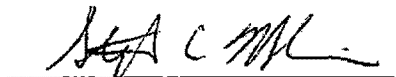
WITNESS my hand and official seal.



(SEAL)

  
Notary Public

WITNESS our hands at Tucson AZ this 20 day of January, 2010.



Stephen C. McClain

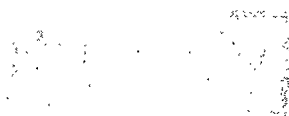
State of ARIZONA )  
County of Pima )

On January 20, 2011 before me, Richard A. Franer  
personally appeared Stephen C. McClain

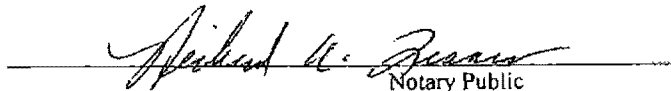
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



(SEAL)

  
Notary Public