

03/29/04

04-05-2004

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RECORD

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DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

James Harrison Kreger
Peter James FolberthAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 3/26/04

2. Name and address of receiving party(ies)

Name: Northrop Grumman Corporation

Internal Address: _____

Street Address: 1840 Century Park East

City: Los Angeles State: CA Zip: 90067

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robert P. Lenart

Internal Address: Pietragallo, Bosick & Gordon

Street Address: One Oxford Centre, 38th Floor

301 Grant Street

City: Pittsburgh State: PA Zip: 15219

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

- ☐ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number:

500859

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

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.

Robert P. Lenart

Name of Person Signing

Robert P. Lenart
Signature

03/29/2004

Date

Total number of pages including cover sheet, attachments, and documents: 1

04/02/2004 REGISTRATION 00000166 500859

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Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231PATENT
REEL: 015161 FRAME: 0158

ASSIGNMENT

WHEREAS, WE, **JAMES HARRISON KREGER**, residing at 9125 Cunningham Road, Cincinnati, OH 45243, a citizen of the United States of America, and **PETER JAMES FOLBERTH**, residing at 7563 Windyknoll Drive, Cincinnati, OH 45241, a citizen of the United States of America, have invented certain improvements in: **PAN AND TILT APPARATUS USING ACHROMATIC PRISMS** for which we have this day executed an application for Letters Patent; and

WHEREAS, **NORTHROP GRUMMAN CORPORATION** (hereinafter the "Assignee"), a corporation organized and existing under the laws of the State of Delaware, having its principal place of business at 1840 Century Park East, Los Angeles, CA 90067, is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of continued employment and/or other undertakings and/or other good and valuable consideration paid to us by said Assignee, receipt whereof we hereby acknowledge, we do hereby assign, sell, transfer, and set over unto said Assignee the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, renewals, and/or extensions thereof including all priority rights associated therewith for every country, said Assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that we have the full right to make this assignment.

And for the consideration aforesaid, we agree jointly and individually that we will communicate to said Assignee or the representatives thereof any facts known to us respecting said inventions and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said Assignee or by counsel for said Assignee, to assist or enable said Assignee to obtain and enforce full benefits

from the rights and interests herein assigned. This assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said Assignee.

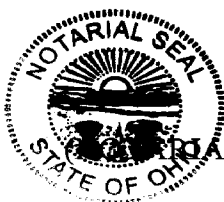
Executed on this 26th day of March, 2004

James H. Kregar
JAMES HARRISON KREGER

State of Ohio :
County of Hamilton : ss.

Before me, a Notary Public in and for the said County and State, personally appeared **JAMES HARRISON KREGER** who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this 26th day of March, 2004.



DIANE L. DONAHUE
Notary Public, State of Ohio
My Commission Expires 10-19-05

Diane L. Donahue
Notary Public

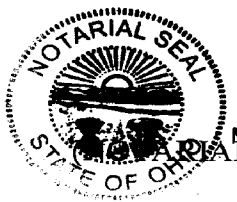
Executed on this 26th day of March, 2004

Peter James Folberth
PETER JAMES FOLBERTH

State of Ohio :
County of Hamilton : ss.

Before me, a Notary Public in and for the said County and State, personally appeared **PETER JAMES FOLBERTH** who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this 26th day of March, 2004.



DIANE L. DONAHUE
Notary Public, State of Ohio
My Commission Expires 10-19-05

Diane L. Donahue
Notary Public