

12-12-2001

Tab settings

To the Honorable Commissioner of Patents



attached original documents or copy thereof. Address of receiving party(ies):

1. Name of conveying party(ies):

Peter M. Livingston

101915163

Name: TRW Inc.

Internal Address: S&E Law Department, E2/6051

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment (checked), Merger, Security Agreement, Change of Name, Other

Street Address: One Space Park

City: Redondo Beach State: CA ZIP: 90278

Execution Date: October 29, 2001

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: October 29, 2001

A. Patent Application No.(s)

B. Patent No.(s)

10/000619

Additional numbers attached? Yes No

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

Name: Patent Counsel Internal Address: TRW Inc. S&E Law Department, E2/6051 Street Address: One Space Park City: Redondo Beach State: CA ZIP: 90278

6. Total number of applications and patents involved: 1

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

- Enclosed (unchecked), Authorized to be charged to deposit account (checked)

8. Deposit account number:

20-1515

(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

Noel F. Heal, Reg. No. 26,074 Name of Person Signing

Signature

11/01/01

Date

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

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

12/11/2001 ANNED1 00000115 201515 10000619 01 FC:581 (40.00 CH)

ASSIGNMENT

For valuable consideration, the adequacy and receipt of which are hereby acknowledged, I Peter M. Livingston of Palos Verdes, California

do hereby sell and assign to TRW Inc., One Space Park, Redondo Beach, California, an Ohio corporation, its successors and assigns, the entire right, title and interest in and to the improvements in A MEANS FOR PROTECTING OPTICAL FOCAL PLANE SENSOR ARRAYS AGAINST EXCESSIVE IRRADIATION

which has been invented by me, as described in the application for United States Patent which I executed respectively, on October 29, 2001, and any and all applications for patent and patents therefor in any and all countries, including all divisions, reissues, continuations, and extensions thereof, and the right to claim the priority date of the first filed application in the United States, and authorize and request any official whose duty it is to issue patents, to issue any patent on said improvements or resulting therefrom to said TRW Inc., or its successors or assigns, and agree that on request and without further consideration, but at the expense of TRW Inc., I will communicate to TRW Inc. or its representatives or nominees any facts known to me respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and generally do everything possible to aid TRW Inc., its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

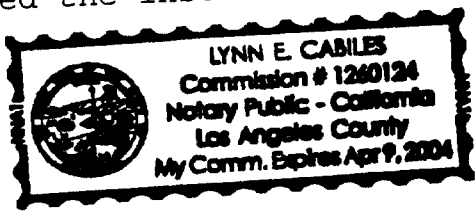
10/29/01, 2001

Inventor: *Peter M. Livingston*
Peter M. Livingston

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

On October 29, 2001 before me, Lynn E. Cabiles personally appeared Peter M. Livingston X personally known to me ~~or~~ ~~proved to me on the basis of satisfactory evidence~~ to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Lynn E. Cabiles
Notary Public

(SEAL)