

12-20-2000



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To the Honorable Commissioner of Patent,

Attached original documents or copy

109/25/00
11/29/00
109/725662

1. Name of conveying party(ies):

Stephen J. Brosnan

2. Name and address of receiving party(ies):

Name: TRW Inc.

Internal Address: Law Department, E2/6051

Street Address: One Space Park

City: Redondo Beach State: CA ZIP 90278

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

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: November 28, 2000

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: November 28, 2000

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: Patent Counsel

Internal Address: TRW Inc.

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
- Authorized to be charged to deposit account

8. Deposit account number:

20-1515

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

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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.

Michael S. Yatsko

Name of Person Signing

Michael S. Yatsko
Signature

11/29/00
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

ASSIGNMENT

For valuable consideration, the adequacy and receipt of which are hereby acknowledged, I Stephen J. Brosnan respectively, of San Pedro, 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 PARALLEL SIDE-PUMPING OF DUAL-CLAD FIBER ARRAY USING FUSED, LAYERED STRUCTURE which has been invented by me, as described in the application for United States Patent which I executed respectively, on November 28, 2000 and any and all applications for patent and patents therefore 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.

11/28/00, 2000

Inventor: Stephen J Brosnan
Stephen J. Brosnan

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

On November 28, 2000 before me, Lynn E. Cabiles personally appeared Stephen J. Brosnan ~~personally~~ known to me -or- X 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)