

06-11-1999



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To the Honorable Commissioner of

and the attached original documents or copy thereof.

1. Name of conveying party(ies):

Rollins, David L.

Name and address of receiving party(ies):

Name: Patent Counsel

Internal Address: TRW Inc.

Law Department, E2/6072

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

Street Address: One Space Park

City: Redondo Beach State: CA ZIP: 90278

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

3. Nature of conveyance:

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

Execution Date: May 11, 1999

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: 05/11/1999

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, E2/6072

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
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20-1515

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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

5/28/99

Date

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

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ASSIGNMENT

For valuable consideration, the adequacy and receipt of which are hereby acknowledged, I David L. Rollins respectively, of Hawthorne, California

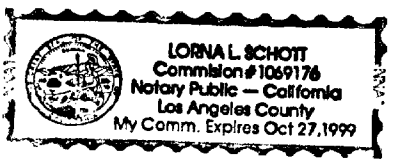
do hereby sell and assign to TRW Inc., One Space Park, Redondo Beach, California, an Ohio corporation, its successors and assigns, the entire right, title and interest in and to the improvements in LINEARIZED OPTICAL LINK USING A SINGLE MACH-ZEHNDER MODULATOR AND TWO OPTICAL CARRIERS

which has been invented by me, as described in the application for United States Patent which I executed respectively, on May 11, 1999, 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.

May 11, 1999 Inventor: David L. Rollins

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

On May 11, 1999 before me, Lorna L. Schott personally appeared David L. Rollins ~~personally known to me~~ -or- ~~proved~~ 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 the 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.

Lorna L. Schott
Notary Public

(SEAL)