

10-26-1999

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



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To the Honorable Commissioner of F

101185219

ie attached original documents or copy thereof.

men 10-15-99

1. Name of conveying party(ies):

JUNKER, Gregory P.

MINASSIAN, Vrage

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

3. Nature of conveyance:

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

Execution Date: October 14, 1999; October 15, 1999

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

Name: TRW Inc.

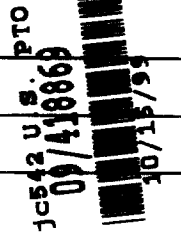
Internal Address: Law Dept.

Bldg. E2/6072

Street Address: One Space Park

City: Redondo Beach State: CA ZIP: 90278

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: 10/14/1999

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: TRW Inc.

Internal Address: Law Dept.

Bldg. E2/6072

Street Address: One Space Park

City: Redondo Beach State: CA ZIP: 90278

6. Total number of applications and patents involved:

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

10/15/99

Date

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

Mail documents to be recorded with required cover sheet information to:
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Washington, D.C. 20231

10/25/1999 DNGUYEN 00000125 201515 09418869

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40.00 CH

(Form PTO-1595--Recordation Form Cover Sheet - page 1 of 3)

PATENT
REEL: 010329 FRAME: 0093

ASSIGNMENT

For valuable consideration, the adequacy and receipt of which are hereby acknowledged, we Gregory P. Junker and Vrage (NMI) Minassian respectively, of El Segundo, California and Burbank, 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 WAVEGUIDE COUPLER which has been invented by us, as described in the application for United States Patent which we executed respectively, on October 14, 1999, and October 15, 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., we will communicate to TRW Inc. or its representatives or nominees any facts known to us 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.

10/14, 1999

Inventor: Gregory P. Junker
Gregory P. Junker

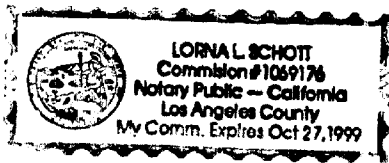
10/15/99, 1999

Inventor: Vrage (NMI) Minassian
Vrage (NMI) Minassian

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

On October 14, 1999 before me, Lorna L. Schott
personally appeared Gregory P. Junker

~~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 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.

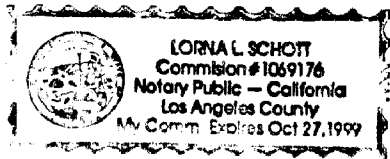
Lorna L. Schott
Notary Public

(SEAL)

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

On October 15, 1999 before me, Lorna L. Schott
personally appeared Vrage (NMI) Minassian

~~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 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)