

PATI

10-25-1999

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To the Honorable Commissioner of Patents and Traden

1 documents or copy thereof.

1. Name of conveying party(ies):

ARENA, John J.

SMITH, David M.

MATONIS, Richard A.

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

101180921

ig 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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: October 7, 1999

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

09/417447

If this document is being filed together with a new application, the execution date of the application is: 10/13/1999

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: 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

10/13/99

Date

Total number of pages including cover sheet, attachments, and document: 5

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

10/22/1999 DNGUYEN 00000204 201515 09417447

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

PATENT  
REEL: 010322 FRAME: 0529

## ASSIGNMENT

For valuable consideration, the adequacy and receipt of which are hereby acknowledged, we John J. Arena, David M. Smith, and Richard A. Matonis respectively, of Ramona, California; Placentia, California; and Poway, 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 PLENUMLESS AIR COOLED AVIONICS RACK which has been invented by us, as described in the application for United States Patent which we executed respectively, on October 7, 1999, October 7, 1999, and October 7, 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.

10/7, 1999

Inventor:

John J. Arena

10/7, 1999

Inventor:

David M. Smith

10/7, 1999

Inventor:

Richard A. Matonis

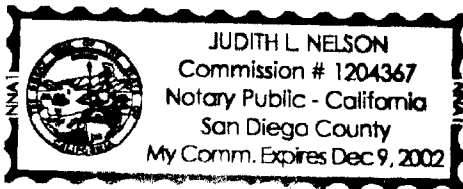
PATENT

REEL: 010322 FRAME: 0530

STATE OF CALIFORNIA  
COUNTY OF SAN DIEGO

)  
) ss  
)

On Oct. 7, 1999 before me, Judith L. Nelson  
personally appeared John J. Arena  
☒ 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 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.



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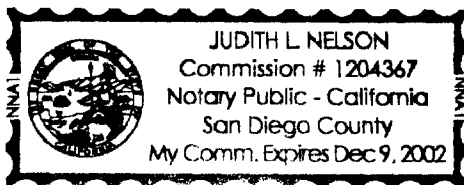
WITNESS my hand and official seal.

Judith L. Nelson  
Notary Public

STATE OF CALIFORNIA  
COUNTY OF SAN DIEGO

)  
) ss  
)

On Oct. 7, 1999 before me, Judith L. Nelson  
personally appeared David M. Smith  
☒ 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 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.



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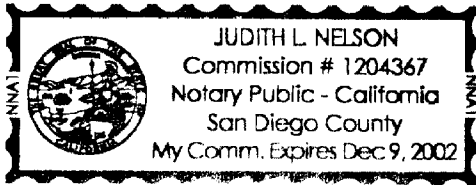
Judith L. Nelson  
Notary Public

STATE OF CALIFORNIA

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)  
) ss  
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On Oct. 7, 1999 before me, Judith L. Nelson  
personally appeared Richard A. Matonis  
☒ 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 the he/~~she~~ executed the same in  
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executed the instrument.



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Judith L. Nelson  
Notary Public