

8-5-99

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ached original documents or copy thereof.
ass of receiving party(ies):

To the Honorable Commissioner of Patent

1. Name of conveying party(ies):

Michae J. Wehner
Keith V. Kroening
L. Dwight Gilger

101118579

Name: TRW Inc.

Internal Address: Law Department

Bldg. E2, Rm. 6072

Street Address: One Space Park

City: Redondo Beach State: CA ZIP: 90278

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

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

3. Nature of conveyance:

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

Execution Date: July 30, 1999; August 4, 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: 07/30/99

A. Patent Application No.(s)

B. Patent No.(s)

09/368978

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 Department

Bldg. E2, Rm. 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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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.

Robert W. Keller

Name of Person Signing

Robert W. Keller

Signature

August 5, 1999

Date

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

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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, we Michael J. Wehner, Keith V. Kroening, and L. Dwight Gilger respectively, of Hawthorne, California; Redondo Beach, California; and Torrance, 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 SPACECRAFT WITH A MICRODYNAMIC NOISE-FREE HOLDING MECHANISM which has been invented by us, as described in the application for United States Patent which we executed respectively on July 30, 1999, August 4, 1999, and August 4, 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.

July 30, 1999

Inventor: Michael J. Wehner
Michael J. Wehner

Aug 4th, 1999

Inventor: Keith V. Kroening
Keith V. Kroening

Aug 4, 1999

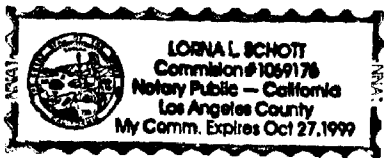
Inventor: L. Dwight Gilger
L. Dwight Gilger

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

On July 30, 1999 before me, Lorna L. Schott
personally appeared Michael J. Wehner

~~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 Aug. 4, 1999 before me, Lorna L. Schott
personally appeared Keith V. Kroening

~~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

)

COUNTY OF LOS ANGELES

) ss

)

On August 4, 1999 before me, Lorna L. Schott
 personally appeared L. Dwight Gilger
~~_____~~ 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.



WITNESS my hand and official seal.

Lorna L. Schott

Notary Public

(SEAL)