

02-03-1999

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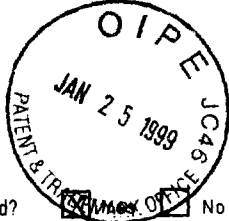
To the Honorable Commissioner of Patents and Trademarks: Please record it

100957168

hereof.

1. Name of conveying party(ies):

Michael D. Sholley
Charles E. Gage
Bruce E. Osgood



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

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

Name: TRW Inc.

Internal Address: Law Department

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 (checked), Merger, Security Agreement, Change of Name, Other

Execution Date: November 17, 1998

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:

A. Patent Application No.(s)

09/195,930 Filed: November 19, 1998

B. Patent No.(s)

02/01/1999 AIRMAIL 00000027 201515 09195930

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Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Patent Counsel

Internal Address: 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

- Enclosed, Authorized to be charged to deposit account (checked)

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

Signature: Michael S. Yatsko

Date: 1/21/99

Date

Total number of pages including cover sheet, attachments, and document: 10

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 D. Sholley, Jeffrey B. Mitchell, Gregory K. Barber, Charles E. Gage, and Bruce E. Osgood respectively, of Long Beach, California; Encino, California; Torrance, California; Los Angeles, California; and Moreno Valley, 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 MILLIMETER WAVE ADJUSTABLE CAVITY PACKAGE which has been invented by us, as described in the application for United States Patent which we executed respectively, on November 17, 1998, November 19, 1998,

and December 19, 1998, 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.

<u>Nov 17</u> , 1998	Inventor: <u>Michael D Sholley</u> Michael D. Sholley
<u> </u> , 1998	Inventor: <u>Jeffrey B. Mitchell</u> Jeffrey B. Mitchell
<u>Nov 19</u> , 1998	Inventor: <u>Gregory K Barber</u> Gregory K. Barber
<u>17 NOV</u> , 1998	Inventor: <u>Charles E. Gage</u> Charles E. Gage
<u>Nov 17</u> , 1998	Inventor: <u>Bruce E. Osgood</u> Bruce E. Osgood

ASSIGNMENT

For valuable consideration, the adequacy and receipt of which are hereby acknowledged, we Michael D. Sholley, Jeffrey B. Mitchell, Gregory K. Barber, Charles E. Gage, and Bruce E. Osgood respectively, of Long Beach, California; Encino, California; Torrance, California; Los Angeles, California; and Moreno Valley, 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 MILLIMETER WAVE ADJUSTABLE CAVITY PACKAGE which has been invented by us, as described in the application for United States Patent which we executed respectively, on

_____, and _____,

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.

_____, 1998

Inventor: Michael D. Sholley

19 DEC, 1998

Inventor: Jeffrey B. Mitchell
Jeffrey B. Mitchell

_____, 1998

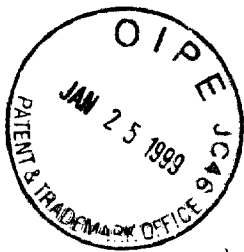
Inventor: _____
Gregory K. Barber

_____, 1998

Inventor: _____
Charles E. Gage

_____, 1998

Inventor: _____
Bruce E. Osgood



STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

On November 17, 1998 before me, Lorna L. Schott
personally appeared Michael D. Sholley
~~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 _____ before me, _____
personally appeared Jeffrey B. Mitchell
_____ 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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WITNESS my hand and official seal.

Notary Public

(SEAL)



STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

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WITNESS my hand and official seal.

Notary Public

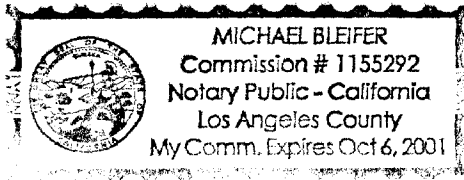
(SEAL)

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

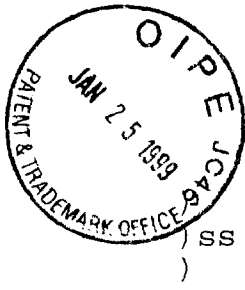
On December 19, 1998 before me, Michael Bleifer 'Notary Public'
personally appeared Jeffrey B. Mitchell
_____ personally known to me -or- Y proved to me on the basis of
satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me the he/~~she~~ executed 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.

Michael Bleifer
Notary Public



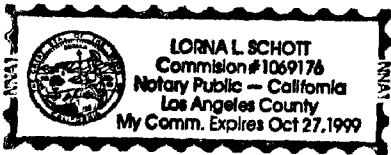
(SEAL)



STATE OF CALIFORNIA

COUNTY OF LOS ANGELES

On November 19, 1998 before me, Lorna L. Schott personally appeared Gregory K. Barber ~~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)

STATE OF CALIFORNIA)

) ss

COUNTY OF LOS ANGELES)

On November 17, 1998 before me, Lorna L. Schott personally appeared Charles E. Gage ~~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)

Docket No. 12-0866



STATE OF CALIFORNIA

)
) ss
)

COUNTY OF LOS ANGELES

On November 17, 1998 before me, Lorna L. Schott
personally appeared Bruce E. Osgood

~~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