

07-14-1998

OMB No. 0651-0011 (exp. 4/94) TRW DOCKET
Tab settings ☐ ☐ ☐ ☐ ☒ NO. 12-0905



100763582

To the Honorable Commissioner of Pa.

ached original documents or copy there

1. Name of conveying party(ies):

Drew (NMI) Cushman
Jay D. Crawford

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

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

3. Nature of conveyance: **MRD 6-29-98**

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: June 29, 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: 06/29/98

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:

Patent Counsel
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).....\$

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number: 20-1515

(Attach duplicate copy of this page paying by deposit account)

DO NOT USE THIS SPACE

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.

Robert W. Keller

Name of Person Signing

Robert W. Keller

Signature

June 29, 1998

Date

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

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, U.S. Department of Commerce
REEL: 9298 FRAME: 0838

U.S. PATENT
09/106729
06/29/98

09106729
20-1515
JUN 29 1998
FBI

ASSIGNMENT

For valuable consideration, the adequacy and receipt of which are hereby acknowledged, we Drew (NMI) Cushman and Jay D. Crawford respectively of Lomita, California and Long Beach, 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 **LATERAL MODE SUPPRESSION IN SEMICONDUCTOR BULK ACOUSTIC RESONATOR (SBAR) DEVICES USING TAPERED ELECTRODES, AND ELECTRODES EDGE DAMPING MATERIALS** which has been invented by us, as described in the application for United States Patent which we executed respectively, on June 29, 1998, and June 29, 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.

June 27, _____, 1998

Inventor: _____

Drew Cushman
DREW (NMI) CUSHMAN

June 29 _____, 1998

Inventor: _____

Jay D. Crawford
JAY D. CRAWFORD


Docket No. 12-0905

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

On June 29, 1998 before me, Lorna L. Schott
 personally appeared Drew (NMI) Cushman
_____ 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 that 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.

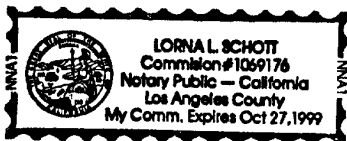


Notary Public

(SEAL)

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

On June 29, 1997 before me, Lorna L. Schott
 personally appeared Jay D. Crawford
 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.

Alice J. Schott
Notary Public

(SEAL)

RECORDED: 06/29/1998

PATENT
REEL: 9298 FRAME: 0840