MRD 5-24-99	
	7 - 1999 ET U.S. DEPARTMENT OF COMMERCE
A LORDON COMPANY COMPA	Patent and Trademark Office ▼ ▼ ▼
To the Henerable Commissioner of Pa	attached original documents or copy thereof
1. Name of conveying party(ies):	57985 address of receiving party(ies):
Tran, Dean	Name: TRW Inc.
Carberry, David M.	
Boger, David H.	Internal Address: Law Dept.
Additional name(s) of conveying party(ies) attached? X Yes No	Bldg. E2/6072
3. Nature of conveyance:	
	Street Address: One Space Park
Security Agreement Change of Name	
Other	City: Redondo Beach State: CA ZIP: 90278
Execution Date: <u>May 21, 1999; May 20, 1999; May 21, 19</u>	Additional name(s) & address(es) attached?
If this document is being filed together with a new application No.(s) 09/316971	B. Patent No.(s)
Additional number	ars attached? Lifes X No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: TRW Inc.	7. Total fee (37 CFR 3.41)ss 40.00
Internal Address: Law Dept.	
Bldg. E2/6072	☐ Enclosed
2.tag. 22.70.12	X Authorized to be charged to deposit account
Street Address: One Space Park	8. Deposit account number: 20-1515 (Attach duplicate copy of this page if paying by deposit account)
	O NOT USE THIS SPACE
the original document. Michael S. Yatsko	May 24, 1999
Name of Borgon Signing	Signature

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, Box Assignments

Washington, D.C. 20231

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

Attachment to Form PTO - 1595 Recordation Form Cover Sheet

Additional Conveying Parties

- Vendura, Jr., George J.
- Hirschberg, Alan M.

Additional Execution Dates

- May 20, 1999
- May 20, 1999

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ASSIGNMENT

For valuable consideration, the adequacy and receipt of which are hereby acknowledged, we <u>Dean (NMI) Tran, David M. Carberry, David H.</u> Boger, George J. Vendura, Jr., and Alan M. Hirschberg respectively, of Westminister, California, Redondo Beach, California, Redondo Beach, California, Rossmoor, California and Thousand Oaks, 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 _ " VACUUM CHUCK FOR HOLDING THIN SHEET MATERIAL" which has been invented by us, as described in the application for United States Patent which we executed respectively, on Māÿ 21, 20, 21, 1999 _____, and _____May 20, 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.

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STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) ss)
on May 21, 1999	before me, Lornal. Schott
<u> </u>	ean (NMI) Tran or- proved to me on the basis of
satisfactory evidence to be the within instrument and acknowle his/her authorized capacity, a	he person whose name is subscribed to the edged to me the he/she executed the same in and that by his/her signature on the entity upon behalf of which the person acted,
LORNA L. SCHOTT Commision#1059178 Notary Public — California Los Angeles County Comm. Expires Oct 27,1999	WITNESS my hand and official seal. Notary Public
(SEAL)	Notary rubire
STATE OF CALIFORNIA COUNTY OF LOS ANGELES))ss)
on <u>May 20,1999</u> personally appeared <u>Davi</u>	before me, Lorna L. Schott
personally known to me -c satisfactory evidence to be the within instrument and acknowled his/her authorized capacity, a	proved to me on the basis of he person whose name is subscribed to the edged to me the he/she executed the same in and that by his/her signature on the entity upon behalf of which the person acted,
LORNA L. SCHOTT Commission & 1059176 Notary Public — California Loe Angeles County My Comm. Expires Oct 27,1999	WITNESS my hand and official seal.
(SEAL)	Nótary Public

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES)
on May 21, 1999 before me, Lorna C. Schott personally appeared David H. Boger
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.
LORNAL SCHOTT Commission # 1069176 Notary Public — California Los Angeles County My Comm. Expires Oct 27, 1999
(SEAL)
COUNTY OF LOS ANGELES On May 199 before me, Orna . Substitution of the basis of 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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(SEAL)

Docket No. 12-0950

(SEAL)

RECORDED: 05/24/1999