FORM PTO-1595 MID 06-28-	
(Rev. 6-93) CMB N'; 0651-0011 (exp. 4/94)	
To the Honorable Commissioner of Pate. 101077567	
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Donald G. Heflinger	
	Name: TRW Inc.
	Internal Address: Law Department
Additional name(s) of conveying party(ies) attached? Yes X No	Bldg. E2, Rm. 6072
3. Nature of conveyance:	
🖾 Assignment 🔲 Merger	Street Address: One Space Park
Security Agreement Change of Name	
Other	City: <u>Redondo Beach</u> State: <u>CA</u> ZIP: <u>90278</u>
Execution Date: June 17, 1999	Additional name(s) & address(es) attached? 🔲 Yes 🖾 No
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application	n, the execution date of the application is: $06/18/1999$
A. Patent Application No.(s)	B. Patent No.(s)
	09/336317
Additional numbers attached? 🔲 Yes 🔀 No	
5. Name and address of party to whom correspondence	6 Total number of applications and patents involved.
concerning document should be mailed:	6. Total number of applications and patents involved:
Name: <u>TRW Inc.</u>	0.00
	7. Total fee (37 CFR 3.41) 5 0.00
Internal Address: Law Department	Enclosed
Bldg. E2, Rm. 6072	
	X Authorized to be charged to deposit account
Street Address: One Space Park	8. Deposit account number:
	20-1515
City: Redondo Beach State: CA ZIP: 90278	(Attach duplicate copy of this page if paying by deposit account)
	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.	4 / / June 18, 1999
Robert W. Keller Name of Person Signing	Signature Date
Total number of pages including cover sheet, attachments, and document:	
Mail documents to be recorded with required cover sheet information to:	
6/28/1999 NTHAI 00000059 201515 09336317 Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231	
1 FC:581 40.00 CH (Form PTO1595Recordation Form Cover Sheet - page 1 of 3)	
PATENT	
REEL: 010047 FRAME: 0982	

ASSIGNMENT

For valuable consideration, the adequacy and receipt of which are hereby acknowledged, I <u>Donald G. Heflinger</u> respectively, of <u>Torrance</u>, 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 ALL OPITCAL ANALOG-TO-DIGITAL CONVERTER EMPLOYING AN IMPROVED STABILIZED OPTICAL **INTERFEROMETER** which has been invented by me, as described in the application for United States Patent which I executed respectively, on June 17, 1999 _____, and any and all applications for patent and patents therefor 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., I will communicate to TRW Inc. or its representatives or nominees any facts known to me 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.

17 June, 1999 Inventor: Knowld & Heffinger

STATE OF CALIFORNIA

(SEAL)

COUNTY OF LOS ANGELES

On <u>June 17, 1999</u> before me, <u>Kathleen R. Tait, Notary Public</u> ster of personally appeared ______ Donald G. Heflinger _______ personally known to me -or- _XX proved to me on the basis of

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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.

Kathleen R. Tait Notary Public Kathleen R. Tait

My Commission Expires April 6, 2001

RECORDED: 06/18/1999