FORM PTO-1595 $/\sqrt{2}$ , $/\sim$	0 0004
OMB No. 0651-0011 (exp. 4/94)	8-2001 U.S. DEPARTMENT OF COMMERCE
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	73175 tached original documents or copy thereof.
Name of conveying party(ies):	Z. Ivalie and address of receiving party(ies):
Stephen J. Brosnan	Name: TRW Inc.
	Internal Address: Law Department, E2/6051
Additional name(s) of conveying party(ies) attached?	23°C
3. Nature of conveyance:	
Assignment Merger	Street Address: One Space Park
☐ Security Agreement ☐ Change of Name	One Space Lark
☐ Other	City: Redondo Reach Que CA 712 00279
	City: Redondo Beach State: CA ZIP: 90278
Execution Date: December 13, 2000	Additional name(s) & address(es) attached?
If this document is being filed together with a new application  A. Patent Application No.(s)  Additional numbers atta	B. Patent No.(s)
Additional numbers are	Circus Ed 100
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Patent Counsel	
Internal Address: TRW Inc.	1 7 Total foo (27 CED 2 41)
internal Address. It with the	7. Total fee (37 CFR 3.41) \$ 40.00
T D	☐ Enclosed
Law Department, E2/6051	
Law Department, E2/6051	☐ Enclosed
Law Department, E2/6051  Street Address: One Space Park	☐ Enclosed
	Enclosed  X Authorized to be charged to deposit account  8. Deposit account number:
	☐ Enclosed  ☐ Authorized to be charged to deposit account
Street Address: One Space Park  City: Redondo Beach State: CA ZIP: 90278	Enclosed  Authorized to be charged to deposit account  8. Deposit account number:  20-1515
Street Address: One Space Park  City: Redondo Beach State: CA ZIP: 90278	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)
Street Address: One Space Park  City: Redondo Beach State: CA ZIP: 90278  1/05/2001 MTHAI1 00000081 2015(5 09738520  DO NOT  1 90: Statement and Signature.  To the best of my knowledge and belief, the foregoing inform	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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(Form PTO--1595--Recordation Form Cover Sheet - page 1 of 3)

**REEL: 011388 FRAME: 0943** 

**RECORDED: 12/14/2000** 

## **ASSIGNMENT**

For valuable considerat:	ion, the adequacy and receipt of which are
hereby acknowledged, I Stephen	J. Brosnan respectively,
of San Pedro, California	Topcocivery,
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 t	to the improvements in HIGH BRIGHTNESS
LASER DIODE COUPLING TO MULTIMODE	
which has been invented by me, as States Patent which I executed res	described in the application for United spectively, on December 13, 2000
all countries, including all diviextensions thereof, and the right filed application in the United St	patent and patents therefore in any and isions, reissues, continuations, and to claim the priority date of the first cates, and authorize and request any
improvements or resulting therefrond assigns, and agree that on request	patents, to issue any patent on said om to said TRW Inc., or its successors or and without further consideration, but
at the expense of TRW Inc., I will representatives or nominees any fa improvements and testify in any le	acts known to me respecting said egal proceeding, sign all lawful papers,
rightful oaths, and generally do	g, and reissue applications, make all everything possible to aid TRW Inc., its
	o obtain and enforce proper patent
protection for said invention in a	all countries.
12/13/ , 2000	Inventor: Staplen & Brosnan  Stephen J. Brosnan
STATE OF CALIFORNIA	)
	)ss
COUNTY OF LOS ANGELES	)
On December 13, 2000 before	ore me,Lynn E. Cabiles
personally appeared <u>Stephen J.</u>	Brosnan
<u>personally known to me -or-</u>	proved to me on the basis of
satisfactory evidence to be the permitting instrument and acknowledged	erson whose name is subscribed to the distribution to the late of the same in
his/ <del>her</del> authorized capacity, and t	hat by his her signature on the
instrument the person, or the enti executed the instrument.	ty upon behalf of which the person acted,
LYNN E. CABILES Commission # 1240124 Notary Public - California Los Angeles County	WITNESS my hand and official seal.
My Comm. Expires Apr 9, 2004	Notary Public
(SEAL)	Notary Public

PATENT REEL: 011388 FRAME: 0944