FORM PTO-1619A ≝xpires 06/30/99 OMB 0651-0027

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Name (line 1) James William Brogdo	n			11/12/98
Name (line 2) Second Party Name (line 1) David Keith Gill Name (line 2)				Execution Date Month Day Year 11/12/98
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Name (line 1) Teledyne Industries, In	c.			If document to be recorded is an assignment and the
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Address (line 3) Los Angeles	CA		90067	
Domestic Representative Na	ame and Address	State/Country Enter for the first R	Zr Code Receiving Party only	
Name Robert J. Pugh, Regist	ration No. 36,895			
Address (line 1) Allegheny Teledyne Inc	corporated			
Address (line 2) 1000 Six PPG Place				
Address (line 3) Pittsburgh, PA 15222				
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REEL: 9676 FRAME: 0239

FORM PTO-1 Expires 06/30/99 OMB 0651-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspond	ent Name and Address Area Code and Telephone Number	412-394-2883
Name	Robert J. Pugh	
Address (line 1)	Allegheny Teledyne Incorporated	
Address (line 2)	1000 Six PPG Place	
Address (line 3)	Pittsburgh, PA 15222	
Address (line 4)		
Pages	Enter the total number of pages of the attached conveyance documen	
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was	is being filed together with a new Patent Application, enter the date the patent application	on Month Day Year
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Number of i	Properties Enter the total number of properties involved. #	1
Fee Amoun	Fee Amount for Properties Listed (37 CFR 3.41): \$	40.00
Deposi	of Payment: Enclosed Deposit Account t Account r payment by deposit account or if additional fees can be charged to the Deposit Account Number: # Authorization to charge additional fees:	01-0840 Yes J No
Statement a	and Signature	
attach indica	e best of my knowledge and belief, the foregoing information is true and sed copy is a true copy of the original document. Charges to deposit a ted herein. Robert J. Pugh e of Person Signing Signature	ccount are authorized, as

Attorney's Docket No.	TCM-1699	PATENT	
		For: ⊠ U.S. and/or ⊠ Foreign Rights	
		For: U.S. Application or	
		☐ U.S. Provisional Application	
		For: U.S. Patent	
		For: PCT Application	
		By: Multiple Inventors	
		by. Multiple inventors	
,	ASSIGNMENT OF INV	ENTION (MULTIPLE INVENTORS)	
		NEE to ASSIGNOR of the sum of One Dofor other good and valuable consideration.	
ASSIGNORS (Inventors):		
		440 Maincentre	
James William Brogdon		Northville, Michigan 48167	U.S.A.
	me of inventors)	Address	Nationality
David Keith Gill		43326 Little Falls Court, Apartn Novi, Michigan 48375	nent 212
-			

(Assignment of Invention-Multiple Inventors [16-3.2]-page 1 of 3)

ASSIGNEE:	
Teledyne Industries, Inc. (type or print name of ASSIGNEE)	2049 Century Park East Address
(a California corporation) Nationality	Los Angeles, CA 90067
and the successors, assigns and legal representatives o	f the ASSIGNEE
(complete one of the	ne following)
⋈ the entire right, title and interest	
and its territorial possessions	%) interest for the United States
(check the following box, if foreign r	ights are also to be assigned)
(check and complete (a), (b)	, (c), (d), (e), (f) or (g))
and which is found in	
(a) U.S. patent application executed on even da	ate herewith
(b) U.S. patent application executed on	
(c) U.S. provisional application naming the above	ve inventor(s) for the above-entitled invention
Express mail label no.:	
Mailed:	
	this assignment, I, an ASSIGNOR signing below, y to insert below the filing date and application
(d) ⊠ U.S. application no.:09/124,383 filed on July	28, 1998.
(e) International application no. PCT /	
(f) U.S. patent no.	issued
 A change of address to which correspor fees is being sent separately. 	ndence is to be sent regarding patent maintenance
(also check (g), if foreign application	on(s) is also being assigned)

hereby sells, assigns and transfers to

(Assignment of Invention–Multiple Inventors [16-3.2]—page 2 of 3)

(g) and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or reexamination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this November 12.

mes William Brogdon			
pe name of Inventor)	Signature of INVEN	TOR / / / /	
avid Keith Gill	16/100	1/2/1	
2772 130137 0111		y party	
	 MINISTRAL CONTRACTOR		
	 	to no statement and an arrangement and an arrangement and arrangement arrangement and arrangement arrangement and arrangement arra	

No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be

prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

NOTE:

(Assignment of Invention–Multiple Inventors [16-3.2]—page 3 of 3)

PATENT REEL: 9676 FRAME: 0243

Date of signing

Attorney's Docket No.	TCM-1699	PATENT	
		For: ☐ U.S. and/or ☐ Foreign Rights For: ☐ U.S. Application or ☐ U.S. Provisional Application For: ☐ U.S. Patent For: ☐ PCT Application By: Multiple Inventors	
A	SSIGNMENT OF IN	VENTION (MULTIPLE INVENTORS)	
		SNEE to ASSIGNOR of the sum of One Dolla for other good and valuable consideration,	ar (\$1.00), the
ASSIGNORS (Inventors)):		
James William Brogdon (type or print nar	ne of inventors)	440 Maincentre Northville, Michigan 48167 Address	U.S.A. Nationality
David Keith Gili		43326 Little Falls Court, Apartme Novi, Michigan 48375	ent 212 U.S.A.
			~

(Assignment of Invention-Multiple Inventors [16-3.2]-page 1 of 3)

ASSIGNEE:				
	2049 Century Park East Address			
(a California corporation) Nationality	Los Angeles, CA 90067			
and the successors, assigns and legal representatives of the ASSIGNEE				
(complete one of th	e following)			
the entire right, title and interest				
and its territorial possessions	%) interest for the United States			
(check the following box, if foreign rig	ghts are also to be assigned)			
(check and complete (a), (b),	(c), (d), (e), (f) or (g))			
and which is found in				
(a) U.S. patent application executed on even dat	te herewith			
(b) U.S. patent application executed on				
(c) U.S. provisional application naming the above	e inventor(s) for the above-entitled invention			
Express mail label no.:				
Mailed:				
To comply with 37 CFR 3.21 for recordal of hereby authorize and request my attorney number when they become known.	this assignment, I, an ASSIGNOR signing below to insert below the filing date and application			
(d) 🛛 U.S. application no.:09/124,383 filed on July	<u>28, 1998.</u>			
(e) International application no. PCT /				
(f) US. patent no.	issued			
A change of address to which correspond fees is being sent separately. (also check (n) if foreign application	dence is to be sent regarding patent maintenance			

hereby sells, assigns and transfers to

(Assignment of Invention-Multiple Inventors [16-3.2]-page 2 of 3)

(g) and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or reexamination thereof.

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IN WITNESS WHEREOF, We have hereun	to set hand and seal this	lovember 12, 1998 Date of signing
WARNING The date of signing must be the same as the	•	tem (a) was checked above.
	Signature of INVENTOR	1 de la constante de la consta
James William Brogdon		7
(type name of Inventor)	/Signature of INVENTOR	7
David Keith Gill		
	<u></u>	
☐ Notarization	or Legalization Page Added.	

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be

prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

(Assignment of Invention-Multiple Inventors [16-3.2]-page 3 of 3)