FORM PTO -1619A

Expires 06/30/99 OMB 0651-0027 07-30-2002



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Name (line 1) DUGGAN, MICHAEL		Month Day Year 06 11 2001		
Name (line 2)		Execution Date		
Name (line 1) MCCANN, ANDREW F. Month Day Year 06 08 2001				
Name (line 2)				
Receiving Party(ies)	Mark if additional names of receiving parties a	ttached		
Name (line 1) Scientific-Atlanta, Inc.		If document to be recorded is an assignment and the		
Name (line 2) a Corporation in Georgia receiving party is not domiciled in the United States, an appointment				
Address (line 1) 5030 Sugarloaf Parkway	address (line 1) 5030 Sugarloat Parkway of a domestic			
Address (line 2) MS 4.3.518		representative is attached. (Designation must be a separate document from		
	A 30044 ountry Zip Code	Assignment.)		
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> PATENT REEL: 012945 FRAME: 0620

U.S. Department of Commerce

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FORM PTO-1619B

OMB 0651-0027 Expires 06/30/99

Page 2

U.S. Department of Commerce Patent and Trademark Office PATENT

Correspondent Name and Address	Area Co	de and Telephone Numb	per (770)236-2352	
Name SHELLEY L. COUTURIER				
Address (line 1) Scientific-Atlanta, Inc.				
Address (line 2) Intellectual Property Dept. MS	4.3.518			
Address (line 3) 5030 Sugarloaf Parkway				
Address (line 4) Lawrenceville GA 30044				
Pages Enter the total number of pages of the attached conveyance document including any attachments. #2				
Application Number(s) or Patent Number	(e)			
Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for same property).				
Patent Application Number(s) Patent Number(s)				
29 143 331			March Day Viv	
Hethis document is being filed together with a new Patent Application, enter the date the patent application was \frac{Month Day Year}{06 11 2001}				
Patent Cooperation Treaty (PCT)	PCT	PCT	PCT	
Enter PCT application number only if a U.S. Application Number has not been assigned.	РСТ	PCT	PCT	
Number of Properties Enter the total number of Properties Involved. #1				
Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): Method of Payment: Enclosed Deposit Account				
Method of Payment: Enclosed Deposit Account 🖂				
Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.) Deposit Account Number: #19-0761				
Authorization to charge additional fees: Yes 🔀 No 🗌				
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. Charges to deposit account are authorized, as indicated herein				
SHELLEY L. COUTURIER	Coute	6/12/01 Date		
Name of Person Signing	Signature	*****		

PATENT REEL: 012945 FRAME: 0621

ASSIGNMENT AND AGREEMENT

For and in consideration of the sum of One Dollar to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, MICHAEL DUGGAN AND ANDREW F. MCCANN have sold, assigned and transferred, and do hereby sell, assign and transfer, unto Scientific-Atlanta, Inc., a corporation of the State of Georgia, having its principal office in Lawrenceville, State of Georgia, United States of America, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements in EXTENDED INTERFACE MODULE (Case No. A-7240) described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us on the dates indicated by our signatures below, together with the entire right, title and interest in and to said application, and in and to Letters Patent which may be issued upon said application, and upon any division, extension, continuation or reissue thereof.

We hereby also sell, assign and transfer unto the said **Scientific-Atlanta**, **Inc.**, the entire right, title and interest in and to said invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of said invention and said applications for Letters Patent in foreign countries, and we further authorize the said **Scientific-Atlanta**, **Inc.**, to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the said application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to the said **Scientific-Atlanta, Inc.**, for the sole use and behalf of said **Scientific-Atlanta, Inc.**, its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and we hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to the said **Scientific-Atlanta, Inc.**.

We agree that, when requested, we will, without charge to said **Scientific-Atlanta, Inc.**, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said **Scientific-Atlanta, Inc.**, its successors, assigns and legal representatives or nominees.

Docket No.:A-7240

1

	We covenant with said Scientific-Atlanta,	Inc., its successors, assigns and legal
	representatives, that the interest and property hereby	y conveyed is free from all prior assignment,
	grant mortgage license or other encumbrance.	
_	MICHAEL RUGGAN	June 1/01 DATE
(-1		
	STATE OF GEORGIA COUNTY OF AND WILLIAM	
	I, Marage Decords, a Notary Public hereby certify that the same person whose name is subfore me this day in person and acknowledged that as his free and voluntary act and deed for the uses a	t he signed, sealed and delivered said instrument
	Given under my hand and notarial seal this	11th
00 us 00 us	Given under my hand and notarial seal this	11 day of June , 2001.
	BURGAN STANDARD	1
	EXPIRES TO	Marcia Burdill
	GEORGIA ≰	Notary Public Signature
ij	MARICE MARICE	
1	The County of th	
The state of the s		6-8-01
1994 - 19	ANDREW F. MCCANN	DATE
To the second se	STATE OF GEORGIA	
±-	hereby certify that the same person whose name is before me this day in person and acknowledged that as his free and voluntary act and deed for the uses a	and purposes therein set forth.
	Given under my hand and notarial seal this	$\frac{1}{2}$ day of $\frac{1}{2}$, 2001.
	A BUDANIAN OTAR	Marcia Brudick
	EXPIRES GEORGIA MARCH 17, 2003 WHITE MARCH	Notary Public Signature

Docket No.:A-7240

RECORDED: 06/12/2002

PATENT REEL: 012945 FRAME: 0623