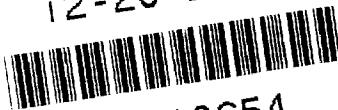


FORM PTO -1619A

Expires 06/30/99

OMB 0651-0027

12-20-2001



101919654

U.S. Department of Commerce
Patent and Trademark Office
PATENT**RECORDATION FORM COVER SHEET
PATENTS ONLY**

10/008439

12/06/01



TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies)

Submission Type

- ☒ New
- ☐ Resubmission (Non-Recordation)
Document ID #
- ☐ Correction of PTO Error
Reel # Frame #
- ☐ Corrective Document
Reel # Frame #

Conveyance Type

- ☒ Assignment ☐ Security Agreement
- ☐ License ☐ Change of Name
- ☐ Merger ☐ Other
U.S. Government
(For use ONLY by U.S. Government Agencies)
- ☐ Departmental File ☐ Secret File

Conveying Party(ies)☐ Mark if additional names of conveying parties attached

Name (line 1) Harold J. Plourde, Jr.

Name (line 2)

Second Party

Name (line 1) Arturo A. Rodriguez

Name (line 2)

Execution Date
Month Day Year
12/4/01Execution Date
Month Day Year
12/5/01

10/008439

Receiving Party(ies)☐ Mark if additional names of receiving parties attached

Name (line 1) Scientific-Atlanta, Inc.

Name (line 2) a Corporation in Georgia

Address (line 1) 5030 Sugarloaf Parkway

Address (line 2) MS 4.3.518

Address (line 3) Lawrenceville
CityGA
State/Country30044
Zip Code☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)**Domestic Representative Name and Address**

Enter for the first Receiving Party Only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

FOR OFFICE USE ONLY

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

12/19/2001 GTUN11 00000099 190761 10008439
01 FC:581 40.00 CH

**PATENT
REEL: 012371 FRAME: 0204**

Page 2**Correspondent Name and Address****Area Code and Telephone Number (770)236-7866****Name** KELLY A. GARDNER**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.**3****Application Number(s) or Patent Number(s)**☐ Mark if additional numbers attached

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)**

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
12/4/01**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

Number of Properties

Enter the total number of Properties Involved.

#1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

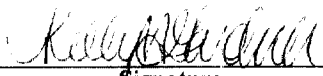
\$40.00

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*KELLY A. GARDNER
Name of Person Signing
SignatureDECEMBER 6, 2001
Date

ASSIGNMENT AND AGREEMENT

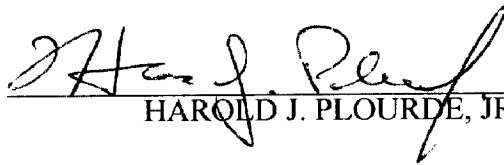
For and in consideration of the sum of One Dollar to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, **HAROLD J. PLOURDE, JR. AND ARTURO A. RODRIGUEZ**, have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **Scientific-Atlanta, 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 an improvement in **DIVIDING AND MANAGING TIME-SHIFT BUFFERING INTO PROGRAM SPECIFIC SEGMENTS BASED ON DEFINED DURATIONS** (Case No. A-7314), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by me on the date indicated by my signature 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.

I 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 therefore 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 I 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.

I 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 behoof 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 I hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to the said **Scientific-Atlanta, Inc.**

I agree that, when requested, I will, without charge to the 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 the said **Scientific-Atlanta, Inc.**, its successors, assigns and legal representatives or nominees.

I covenant with the said **Scientific-Atlanta, Inc.**, its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.


HAROLD J. PLOURDE, JR.

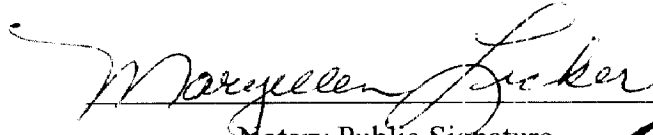
12-4-01

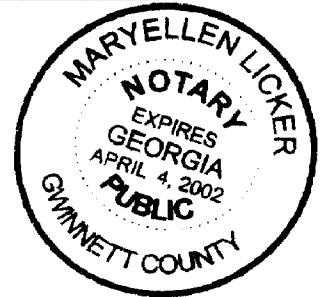
DATE

STATE OF GEORGIA
COUNTY OF GINNETT

I, MARYELLEN LICKER, a Notary Public in and for the County and State aforesaid, do hereby certify that the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 4TH day of DECEMBER, 2001.


Notary Public Signature



Arturo A. Rodriguez
ARTURO A. RODRIGUEZ

5 Dec 2001
DATE

STATE OF GEORGIA
COUNTY OF WINNETT

I, MARYELLEN LICKER, a Notary Public in and for the County and State aforesaid, do hereby certify that the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 5TH day of DECEMBER, 2001.

Maryellen Licker
Notary Public Signature

