

FORM PTO -1619A

Expires 06/30/99
OMB 0651-0027

09-25-2002

U.S. Department of Commerce
Patent and Trademark Office**PATENT**102232575
RECORDATION FORM COVER SHEET
PATENTS ONLYJC531 U.S. PTO
10/245853
09/17/02

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

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- ☒ New *09/17/02*
- ☐ 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
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- ☐ Departmental File ☐ Secret File

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

Name (line 1) Joseph Graham Mobley

Name (line 2)

Second PartyName (line 1) Jiening Ao *10/245853*

Name (line 2)

Execution DateMonth Day Year
09/13/02Execution Date
Month Day Year
09/13/02**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) Intellectual Property Department

Address (line 2) 5030 Sugarloaf Parkway, MS 43.510

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**

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Name

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Mail documents to be recorded with required cover sheet(s) information to:
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Docket No. A-7905

PATENT
REEL: 013313 FRAME: 0334

Correspondent Name and Address

Area Code and Telephone Number (770)236-2352

Name SHELLEY L. COUTURIER

Address (line 1) Scientific-Atlanta, Inc.

Address (line 2) Intellectual Property Dept.

Address (line 3) 5030 Sugarloaf Parkway, MS 4.3.510

Address (line 4) Lawrenceville, GA 30044

Pages Enter the total number of pages of the attached conveyance document
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4

Application Number(s) or Patent Number(s)☐

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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
09/13/02**Patent Cooperation Treaty (PCT)**Enter PCT application number
only if a U.S. Application Number
has not been assigned.

PCT

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Number of Properties

Enter the total number of Properties Involved.

#1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

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Enclosed ☐Deposit Account ☒

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

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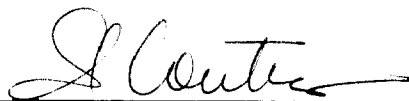
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SHELLEY L. COUTURIER

Name of Person Signing



Signature

SEPTEMBER 17, 2002

Date

FORM PTO-1619C

Expires 06/30/99
OMB 0651-0027

RECORDATION FORM COVER SHEET

CONTINUATION
PATENTS ONLYU.S. Department of Commerce
Patent and Trademark Office

PATENT

Conveying Party(ies)



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Name (line 1) Steven E. Blashewski

Name (line 2)

Execution Date
Month Day Year
09/13/02

Name (line 1) Florin Farcas

Name (line 2)

Execution Date
Month Day Year
09/13/02

Name (line 1) John A. Ritchie, Jr.

Name (line 2)

Execution Date
Month Day Year
09/13/02

Receiving Party



Mark if additional names of receiving parties attached

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

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Address (line 1)

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PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office

PATENT

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Name (line 1) Lamar E. West, Jr.

Name (line 2)

Name (line 1)

Name (line 2)

Name (line 1)

Name (line 2)

Execution Date
Month Day Year
09/13/02

Execution Date
Month Day Year

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Patent Application Number(s)

Patent Number(s)

Docket No. A-7905

PATENT
REEL: 013313 FRAME: 0337

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, **JOSEPH GRAHAM MOBLEY, JIENING AO, STEVEN E. BLASHEWSKI, FLORIN FARCAS, JOHN A. RITCHIE, JR. AND LAMAR E. WEST, JR.**, 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 Norcross, 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 **ETHERNET OVER MULTI-CARRIER FREQUENCY-DIVISION MULTIPLEXING (FDM) (Case No. A-7905)** 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.

We covenant with 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.

Joseph Graham Mobley
JOSEPH GRAHAM MOBLEY

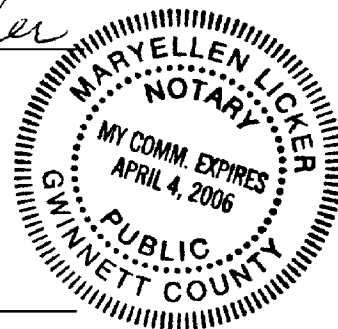
9/13/02
DATE

STATE OF GEORGIA
COUNTY OF GWINNETT

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 13TH day of SEPTEMBER, 2002.

Maryellen Licker
Notary Public Signature



Jiening AO
JIENING AO

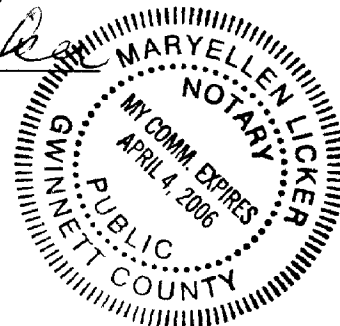
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Maryellen Licker
Notary Public Signature



Steven E. Blashevski
STEVEN E. BLASHEWSKI

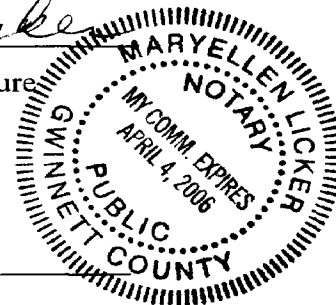
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Maryellen Licker
Notary Public Signature



Florin Farcas
FLORIN FARCAS

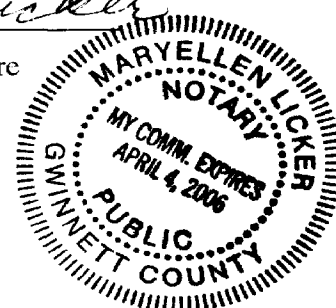
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