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Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Please record the attached original documents or copy thereof.

1. Name of Conveying party(ies):

¹ TIMOTHY H. ADDINGTON, ² DARRYL L. DEFREESE

2. Name and Address of Receiving Party

State of Incorporation:

Scientific-Atlanta, Inc.
One Technology Parkway, South
Norcross, GA 30092-2967

Georgia

3. Nature of Conveyance: Assignment Execution Date: 13 FEBRUARY 1998

4. This document is being filed along in connection with a PCT patent application,

Docket No.: F-3315-PC

Title: USING A HIERARCHICAL FILE SYSTEM FOR
INDEXING DATA BROADCAST TO A CLIENT
FROM A NETWORK OF SERVERS

the execution date of the application is: 13 FEBRUARY 1998

5. Please send correspondence to:

Scientific-Atlanta, Inc.,
Intellectual Property Department
One Technology Parkway, South
Norcross, GA 30092-2967

6. Total Number of application and patents involved: 1

7. Total Fee (37 CFR 3.41) \$ 40.00

8. Please charge to Deposit Account No.: 19-0761

9. To the best of my knowledge and belief, the foregoing information is a
true and correct original document.

DO NOT USE THIS SPACE

SEND CORRESPONDENCE TO:

Scientific-Atlanta, Inc.
Intellectual Property Department
One Technology Parkway, South
Norcross, GA 30092-2967

By:

Kenneth M. Massaroni
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Total Number of pages comprising cover
sheet: 1

Dated:

2/13/98

ASSIGNMENT AND AGREEMENT

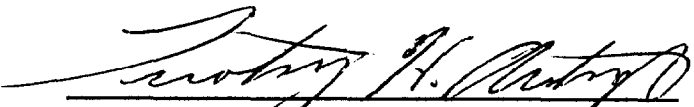
For and in consideration of the sum of One Dollar to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, **TIMOTHY H. ADDINGTON** and **DARRYL L. DEFREESE** have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **SCIENTIFIC-ATLANTA, 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 **USING HIERARCHICAL FILE SYSTEM FOR INDEXING DATA BROADCAST TO A CLIENT FROM A NETWORK OF SERVERS** (Case No. **F-3315-PC**), described, illustrated and claimed in an application for Letters Patent of the United States of America filed **09 DEC 1997** as Serial No. **PCT/US97/22535**, 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 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 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.

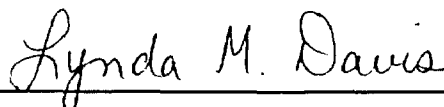

TIMOTHY H. ADDINGTON

2/13/98
DATE

STATE OF GEORGIA)
)
COUNTY OF GWINNETT)

I, LYNDA M. DAVIS, a Notary Public in and for the County and State aforesaid, do hereby certify that the same person whose name is TIMOTHY H. ADDINGTON 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 February, 1998.



Notary Public Signature

LYNDA M. DAVIS
Notary Public, State of Georgia
Qualified in Gwinnett County
Commission Expires Aug 2, 1999

PATENT

'REEL: 010143 FRAME: 0906

Darryl L. Defreese
DARRYL L. DEFREESE

2/13/97
DATE

STATE OF GEORGIA)
)
COUNTY OF GWINNETT)

I, LYNDA M. DAVIS, a Notary Public in and for the County and State
aforesaid, do hereby certify that the same person whose name is DARRYL L.
DEFREESE 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 February, 1998.

Lynda M. Davis
Notary Public Signature

LYNDA M. DAVIS
Notary Public, State of Georgia
Qualified in Gwinnett County
Commission Expires Aug 2, 1999