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FORM PTO-1595
(Rev. 6-93)

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Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party(ies):

Stephen F. Smith and James A. Moore

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other

Execution Date: 6/26/01, 6/26/01

2. Name and address of receiving party(ies):

Name: UT-Battelle, LLC

Street Address: Oak Ridge National Laboratory
Bethel Valley Road, P.O. Box 2008

City: Oak Ridge State: TN Zip: 37831-6255

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the execution date of the applications:

A. Patent Application No.(s):

09/860,841

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: John J. Bruckner

FULBRIGHT & JAWORSKI L.L.P.
600 Congress Avenue, Suite 2400

City: Austin State: Texas Zip: 78701

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41)----- \$ 40.00



Enclosed



Authorized to be charged to deposit account

if check insufficient or inadvertently omitted

8. Deposit account number: 50-1212/10103303/JJB

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9. 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.

John J. Bruckner

08/22/2001

Name of Person Signing, Reg. No. 35,816

Signature

Date

Total number of pages including cover sheet, attachments and documents: 4

Mail documents to be recorded with required cover sheet information to:

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CERTIFICATE OF MAILING
37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner of Patents and Trademarks, Box Assignment, Washington, DC 20231, on the date below:

August 22, 2001
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PATENT
REEL: 012107 FRAME: 0211

ASSIGNMENT

WHEREAS, I (we) , the below-named inventors, whose residence and post office is (are) as stated below, have invented certain new and useful improvements in

CARRIER-FREQUENCY SYNCHRONIZATION SYSTEM FOR IMPROVED AMPLITUDE MODULATION AND TELEVISION BROADCAST RECEPTION

for which an application for United States Letters Patent was executed on _____, the specification having been filed on May 17, 2001, and accorded Serial No. 09/860,841, and

WHEREAS, UT-Battelle, LLC, a limited liability company of the State of Tennessee, having an office at Oak Ridge National Laboratory, Bethel Valley Road, P.O. Box 2008, Oak Ridge, Tennessee 37831-6255, hereinafter called the ASSIGNEE, is desirous of acquiring the entire right, title and interest in the application and invention and to any Letters Patent that may be granted therefor in the United States of America and in any and all foreign countries. (Agents of ASSIGNEE are authorized to fill in blanks and make corrections in this document).

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I (we) hereby assign to ASSIGNEE the entire right, title and interest in the application and the invention, to all rights of priority thereto pursuant to the International Convention for the Protection of Industrial Property, and in any Letters Patent on the invention that may be granted in the United States of America and in any and all foreign countries, including any and all Letters Patent that are divisions, reissues, continuations, substitutions or extensions of any Letters Patent or applications therefor on the invention.

I (we) hereby authorize and request the Commissioner of the United States Patent and Trademark Office and the officials of any and all foreign countries to issue any and all of said Letters Patent, when granted, to the ASSIGNEE.

Further, I (we) hereby agree to communicate to said ASSIGNEE or its representatives any facts known to us respecting said invention, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, to execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, and to make all rightful oaths and generally do everything possible to aid said ASSIGNEE and its representatives to obtain and enforce proper protection for said invention in the United States of America and in any and all foreign countries.

I (we) further agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns, and legal representatives, and shall be binding on me (us), our heirs, legal representatives, and assigns.

Full name of first inventor: Stephen F. Smith

Inventor's Signature: Stephen F. Smith Date: 6/26/2001

Residence: 1550 Pickel Road, London, TN 37774

Post Office Address: _____

Citizenship: USA

State of Illness)
County of Anderson)

On this 26th day of June, 2001, before me, a Notary Public in and for the County and State aforesaid, appeared Stephen F. Smith, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

J. [Signature]
Notary Public

My Commission Expires 4/23/2005

SEAL