

11-18-1998



11-13-98

RECORDATION FORM COVER S
PATENTS ONLY.

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Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of Conveying party(ies):
Ali Tahar Alouani and Peter Shih-Yung Chang
Additional name(s) attached? Yes () No (X)

2. Name and address of receiving party(ies):
Name: Tennessee Valley Authority
Internal Address: CTR 1C
Muscle Shoals, Alabama 3662-1010
Street Address: Tennessee Valley Authority
P.O. Box 1010
Muscle Shoals, Alabama 35662-1010
Additional name(s) & address(es) attached? (x) Yes () No

3. Nature of conveyance:
(X) Assignment () Merger
() Security Agreement () Change of Name
() Other

Execution Date: 10/29/98 and 10/28/98, respectively

4. Application number(s) or patent number(s):
If this document is being filed with a new application, the execution date of the application is: _____

A. Patent Application No.(s)
09/026,822

B. Patent No.(s)

Additional Documents Attached () Yes (X) No

5. Name and address of party to whom correspondence concerning document should be mailed:
Robert A. Petrussek, CTR 1C
Tennessee Valley Authority
P.O. Box 1010
Muscle Shoals, Alabama 35662-1010

6. Total number of applications and patents involved: (1)

7. Total Fee (37 C.F.R. 3.41) \$40.00
() Enclosed
(X) Authorized to be charged to deposit account

8. Deposit account number: 20-0510

(Attach duplicate of this page if paying by deposit account.)

DO NOT USE THIS SPACE

9. Statement and signature.
To the best of my knowledge and belief, the foregoing instrument is true and correct and any attached copy is a true copy of the original document.

Darlene Stevenson
Name of Person Signing

Darlene Stevenson
Signature

11-10-98
Date

Total number of pages including cover, sheet, attachments, and document: (6)

11/17/1998 SBURNS 00000122 200510 09026822
01 FC:581 40.00 CH

2. Additional Name and Address of Receiving Party

Tennessee Technological University
Box 5012
Cookeville, Tennessee 38505-0001

ASSIGNMENT

WHEREAS, I, Ali Tahar Alouani, while employed by the Tennessee Technological University, and I, Peter Shih-Yung Chang, while employed by the Tennessee Valley Authority, a corporation of the United States organized and existing under and by virtue of an act of Congress, by virtue of and incidental to such employment have invented a certain improvement, for which we have made application for Letters Patent of the United States; and have executed this Assignment therefor on 10/29, 1998, and 10/28, 1998, respectively; and whereas the Tennessee Technological University and the Tennessee Valley Authority are desirous of acquiring an interest therein:

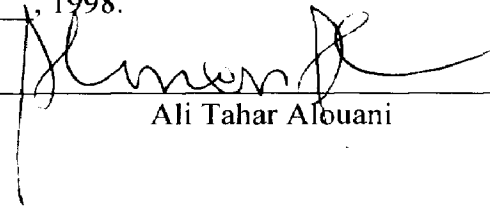
NOW, THEREFORE, as an incident of such employment by Tennessee Technological University, and for good and valuable consideration, receipt whereof is hereby acknowledged, I, Ali Tahar Alouani, by these presents do sell, assign, and transfer unto Tennessee Technological University, its successors and assigns; and I, Peter Shih-Yung Chang, as an incident of such employment by the Tennessee Valley Authority, as well as being in compliance with Section 5, paragraph (i) of the Tennessee Valley Authority Act, by these presents do sell, assign, and transfer unto the Tennessee Valley Authority, its successors and assigns; respectively, the entire right, title and interest for the territory of the United States of America and for all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, in and to the invention, as described in the application filed February 20, 1998, Serial No. 09/026,822, preparatory to obtaining Letters Patent of the United States therefor; said invention, application, and Letters Patent to be held and enjoyed by said Tennessee Technological University and said Tennessee Valley Authority, as assignees, for their own use and behoof, and for their legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this Assignment and sale not been made; and we hereby agree that said assignees may apply for foreign Letters Patent on said invention.

AND we do further agree, without additional consideration, to sign and execute all papers, make all rightful oaths and declarations, and do all requisite acts in connection with the United States and foreign applications when called upon to do so by said assignee, including those necessary for the filing of any disclaimer or for the filing and assignment of any divisional, continuing, or reissue application or applications based on said invention.

AND we do still further agree to communicate to the Tennessee Technological University and the Tennessee Valley Authority, their successors, assigns, or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to us, and to testify as to such facts in any interference or other litigation.

AND we do hereby covenant that we have the full right to make this Assignment and warrant that there are no outstanding assignments, grants, licenses, liens, encumbrances, and/or agreements, either express or implied, with respect to said invention and/or said application for Letters Patent at the time of execution of this Assignment.

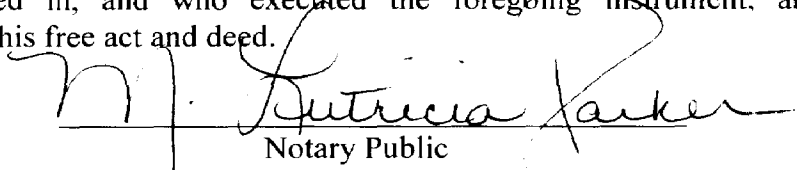
Executed this 29 day of Oct, 1998.



Ali Tahar Alouani

State of Tennessee)
County of Putnam)

On this 29 day of October, 1998, before me personally appeared Ali Tahar Alouani, to me known to be the person(s) described in, and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

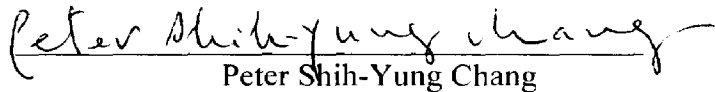


Notary Public

SEAL

My commission expires 09/18/2000

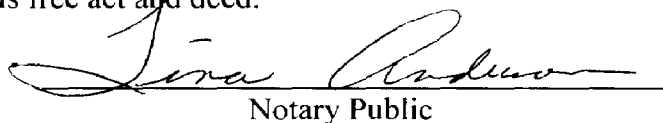
Executed this 28 day of Oct, 1998.



Peter Shih-Yung Chang

State of Tennessee)
County of Hamilton)

On this 28 day of Oct, 1998, before me personally appeared Peter Shih-Yung Chang, to me known to be the person(s) described in, and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.



Notary Public

SEAL

My commission expires 11-10-2001