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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Vasile B. Neculaes, Ronald M. Gilgenbach and Yue-Ying Lau

8-19-03

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

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

Name: The Regents of the University of Michigan

Internal Address:

Street Address: 3003 S. State Street

City: Ann Arbor State: MI Zip: 48109

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

3. Nature of conveyance:

X Assignment

Merger

Security Agreement

Change of Name

Other

Execution Date: August 8 & 11, 2003

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

10643405

If this document is being filed together with a new application, the execution date of the application is: August 8, 2003

A. Patent Application No.(s)

B. Patent No.(s)

08/20/2003 GGEBREGI 00000114 023978 10643405

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Additional numbers attached? Yes No

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

Name: David R. Syrowik

Address: Brooks Kushman P.C.

1000 Town Center, Twenty-Second Floor

City: Southfield State: MI ZIP: 48075-1238

6. Total number of applications and patents involved: 1

7. Total Fee (37 C.F.R. § 1.21(h)) \$ 40.00

X Enclosed

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8. Deposit Account Number:

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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.

David R. Syrowik

August 19, 2003

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services, Director of the U.S. Patent and Trademark Office P.O. Box 1450, Alexandria, VA 22313-1450

PATENT REEL: 014432 FRAME: 0125

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we, Vasile B. Neculaes, Ronald M. Gilgenbach and Yue-Ying Lau, of 3535 Greenbrier Boulevard, Apt. 57B, Ann Arbor, Michigan 48105, 3651 Waldenwood Drive, Ann Arbor, Michigan 48105 and 9012 Cherbourg Drive, Potomac, Maryland 20854, respectively, do hereby assign, sell and set over to The Regents of the University of Michigan, a non-profit organization organized and existing under the laws of the State of Michigan and having a place of business at 2003 S. State Street, Ann Arbor, Michigan 48109, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in

**LOW-NOISE, CROSSED-FIELD DEVICES SUCH AS A MICROWAVE
MAGNETRON HAVING AN AZIMUTHALLY-VARYING AXIAL MAGNETIC
FIELD AND MICROWAVE OVEN UTILIZING SAME**

set forth in the application for United States Letters Patent executed by us on the ____ day of _____, 20__, the ____ day of _____, 20__, and on the ____ day of _____, 20__, respectively; or

for which an application for a United States Patent was filed on August 19, 2003, Application No. _____ (we hereby authorize our attorney to insert the application filing date and number when they become known),

including the right of said ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for said inventions and discoveries in any and all foreign countries in its or their own name or names, or in our names, at its or their election, and we hereby assign, sell and set over to said ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, in and to said inventions and discoveries in all countries, including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications.

And we hereby agree for ourselves, our heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.

And we hereby represent and warrant that we have not granted any rights inconsistent with the rights granted herein.

Date: August, 8, 2003



VASILE B. NECULAES

Date: August 8, 2003



RONALD M. GILGENBACH

PATENT

REEL: 014432 FRAME: 0126

Date: Aug. 11, 2003

Yue-Ying Lau
YUE-YING LAU

STATE OF MICHIGAN)
) ss.
COUNTY OF Wash)

On this 8th day of August, 2003, personally appeared before me Vasile B. Neculaes, to me known to be the persons named in and who executed the above instrument, and acknowledged that they executed the same for the uses and purposes therein mentioned.

Kay E Drake Douglas
Notary Public
My Commission expires: 7/10/04

(SEAL)

STATE OF MICHIGAN)
) ss.
COUNTY OF Wash)

On this 8th day of August, 2003, personally appeared before me Ronald M. Gilgenbach, to me known to be the person named in and who executed the above instrument, and acknowledged that he executed the same for the uses and purposes therein mentioned.

Kay E Drake Douglas
Notary Public
My Commission expires: 7/10/04

(SEAL)

STATE OF MARYLAND)
) ss.
COUNTY OF Montgomery)

On this 11th day of August, 2003, personally appeared before me Yue-Ying Lau, to me known to be the persons named in and who executed the above instrument, and acknowledged that they executed the same for the uses and purposes therein mentioned.

Angela Luai Sagna
Notary Public
My Commission expires: ANGELA LUAI SAGNA
Notary Public, State of Maryland
My Commission Expires July 16, 2005

(SEAL)