

08-11-03
To the Honorable Com



102524120

1. Name of conveying party(ies): **John Lawson, Dale Irwin, Steve Chervenak, John McIntee**
Additional name(s) of conveying party(ies) attached? **NO**

2. Name and Address of receiving party(ies):
Tokyo Electron Limited TBS Broadcast Center, 3-6 Akasaka 5-Chome
Minato-Ku, Tokyo 107 JAPAN

Additional name(s) and address(es) attached? ___ Yes No

3. Nature of Conveyance:
 Assignment ___ Merger ___ Security Agreement ___ Change of Name

___ Other _____ Execution Date: **7/9/03, 7/6/03, 7/11/03, 8/7/03**

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

A. Patent Application No.(s) | B. Patent No.(s)

Serial No 10/438,304
Filed May 14, 2003

Additional numbers attached? ___ Yes No

2003 AUG 11 PM 1:39
OPR/FINANCE

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

Joseph R. Jordan, Esq.
WOOD, HERRON & EVANS, L.L.P.
2700 Carew Tower
Cincinnati, Ohio 45202

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):..... **\$40.00**

Enclosed Any deficiencies Authorized to be charged to
Deposit Account No. 23-3000.

DO NOT USE THIS SPACE

8. 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.

Joseph R. Jordan, Esq.
Reg. No. 25,686

Signature

Date

8/8/03

Total number of pages including cover sheet, attachments and documents: 6

ASSIGNMENT OF INVENTION

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole or joint inventor as indicated below, of certain new and useful improvements in SPUTTERING CATHODE ADAPTER ASSEMBLY AND METHOD filed on May 14, 2003 as Application Serial No. 10/438,304.

AND WHEREAS, TOKYO ELECTRON LIMITED, a Japanese corporation with offices at TBS Broadcast Center, 3-6 Akasaka 5-Chome, Minato-Ku, Tokyo 107 Japan, (hereinafter referenced as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto.

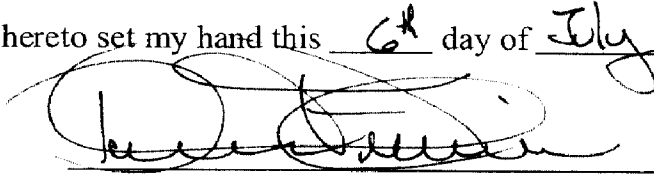
And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto.

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense.

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto.

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with the assignment and sale.

IN WITNESS WHEREOF, I hereto set my hand this 6th day of July, 2003.



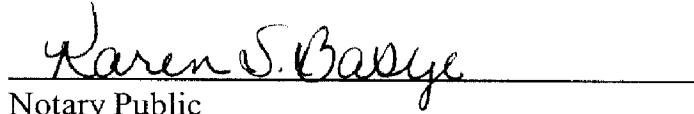
Dale Irwin

STATE OF Arizona :

:ss.

COUNTY OF Maricopa :

Before me this 6th day of July, 2003, personally appeared Dale Irwin, a citizen of U.S.A. residing in Mesa, Arizona 85213 and particularly at 3539 E. Adobe Street, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.



Notary Public

My Commission Expires: June 11, 2004

[Notary's Seal Here]



IN WITNESS WHEREOF, I hereto set my hand this 11 day of July, 2003.

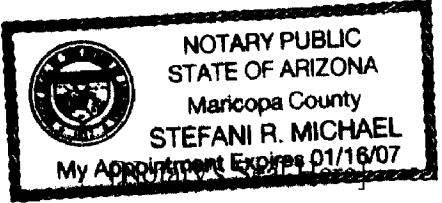
[Signature]
Steve Chervenak

STATE OF Arizona :

:ss.

COUNTY OF Maricopa :

Before me this 11th day of July, 2003, personally appeared Steve Chervenak, a citizen of U.S.A. residing in Phoenix, Arizona 85024 and particularly at 2046 E. Patrick Lane, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.



[Signature]
Notary Public
My Commission Expires: 01/16/07

