

12/21/04

Docket No.: 08850001AA

FORM PTO-1595 (Modified)  
(Rev. 03-01)  
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P08/REV03

12-27-2004

U.S. DEPARTMENT OF COMMERCE  
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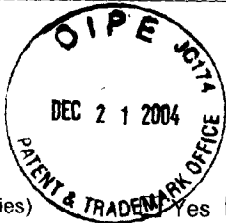


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To the Director of the United States Patent and Trademark Office:

102911268

1. Name of conveying party(ies):  
Victor Katsap



Additional names(s) of conveying party(ies) Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: 12/14/04

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

Name: Toshiba Machine America, Inc.

Internal Address:

Street Address: 755 Greenleaf Avenue

City: Elk Grove Village State: IL ZIP: 60007

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

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

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

A. Patent Application No.(s)

10/774,693 filed on  
February 10, 2004

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Ruth Tyler-Cross

Internal Address: Whitham, Curtis & Christofferson, PC

Customer Number: 30743

Street Address: 11491 Sunset Hills Road, Suite 340

12/23/2004 ECDPER 00000031 10774693

01 FC:0021  
City: Reston

40.00 DP  
State: VA

ZIP: 20190

6. Total number of applications and patents involved: 1

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

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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.

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Signature

Decemeber 21, 2004

Date

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PATENT  
REEL: 016091 FRAME: 0752

## ASSIGNMENT OF INVENTION

**WHEREAS I**, Victor Katsap, have invented certain new and useful improvements in an invention entitled: HIGH BRIGHTNESS THERMIONIC CATHODE, for which a United States Patent Application bearing Serial Number 10/774,693 having been filed on February 10, 2004,

**WHEREAS, Toshiba Machine America, Inc.**, having a principal place of business in Elk Grove Village, Illinois, hereinafter referred to as ASSIGNEE, is desirous of acquiring certain rights thereunder; and

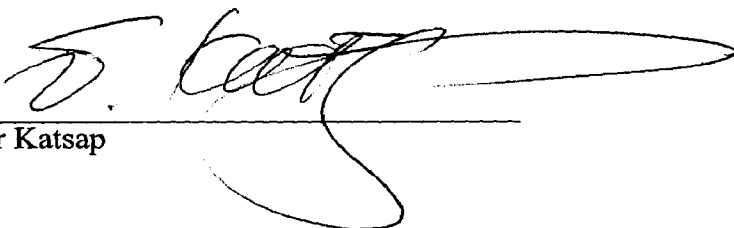
**NOW THIS INDENTURE WITNESSETH**, that for a valuable consideration, the receipt of which is hereby acknowledged, I hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and throughout the United States of America (including its possessions and dependencies) and all countries foreign thereto, in and to said invention (whether patentable or not), of any country, which have been or may be granted on said invention or any part thereof, or any divisional, substitute, continuation-in-whole or in part, renewal, reissue or other patent applications based thereon, and based upon said invention, together with the right of said ASSIGNEE to apply for such patent in its own name in all countries of the world where such is permissible by law, and the right to claim the benefit of priority right provided by the International Convention of 1883, as amended to date, and any such priority right:

**AND I** do hereby authorize and request the Commissioner of Patents to issue any and all United States Patents which may be granted upon said invention or any part thereof, to said ASSIGNEE;

**AND I** hereby agree for myself, and for my heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any divisional, continuation-in-whole or in part, substitute, renewal, reissue, or other applications for patents for any country that might be deemed necessary by said assignee fully to secure to said assignee its interest as aforesaid in and to said invention or any part thereof, and in and to said several patent of any of them;

**AND I** hereby further agree to sign and properly execute such necessary and lawful papers for application for foreign patents and inventor's certificates for filing applications for United States, foreign patents and inventor's certificates for subdivisions of any applications for patent or inventor's certificate and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention and to perform such further acts as may be required to carry out the intent of this agreement as the ASSIGNEE thereof shall hereafter require and prepare at ASSIGNEE'S expense

Executed this 14 day of December, 2004

  
Victor Katsap