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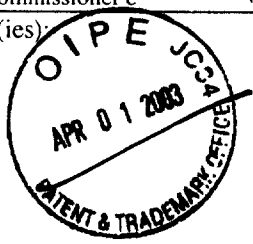
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To the Honorable Commissioner of

Attached original documents or copy thereof.

1 Name of conveying party(ies):
Ljun MA

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



2. Name and address of receiving party(ies):
University of Maryland, Baltimore
520 West Lombard Street
Baltimore, MD 21201-1627

3 Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: March 10, 2003

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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)
10/259,561

B. Patent No.(s)

Additional numbers attached? Yes No

5 Name and address of party to whom correspondence concerning document should be mailed:
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6. Total number of applications and patents involved:
1

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ASSIGNMENT

UMB Docket Number:LM 2000-025

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to **Lijun Ma**, the undersigned hereby sells and assigns to the **University of Maryland, Baltimore**, a constituent institution of the University System of Maryland, an agency of the State of Maryland, having an address at **520 West Lombard Street, Baltimore, MD 21201-1627** (Assignee), their entire rights, titles and interests

check applicable space(s) for the United States of America (as defined in 35 U.S.C. §100) and throughout the world,

in the invention known as **Helical Electron Beam Generating Device and Method of Use**, for which application for patent was made in the United States of America on **March 31, 2000** (also known as U. S. provisional patent application serial number **60/193,474**) and on **March 30, 2001** (also known as international patent application serial number **PCT/US01/10587**), and on **September 30, 2002** (also known as U.S. nonprovisional patent application serial number **10/259,561**), and in any and all non-provisional and/or international patent applications and/or foreign patent applications thereon, in any and all Letters Patent therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent and divisional and the continuing patent applications thereof to the full end of the term or terms for which such Letters Patent issue, such entire right, title and interest to be held and enjoyed by the above named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this Assignment and sale not been made.

The undersigned agrees to execute all papers necessary in connection with the patent application(s), non-provisional and/or international and/or foreign patent applications, and any continuing, divisional, reissue, reexamination or corresponding patent applications thereof and also to execute separate Assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agrees to execute all papers necessary in connection with any interference that may be declared concerning the patent applications or any non-provisional, continuing, divisional, reissue or reexamination patent applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represents that undersigned has full right to convey undersigned's entire interest herein assigned, and that undersigned has/have not executed and will not execute any agreement in conflict therewith.

IN WITNESS WHEREOF, executed by the undersigned on the date opposite their name):

Signature: *Lijun Ma*
Name: Lijun Ma
City: Ellicott City

Date: 3/10/03
Residence: 10182 Maxine Street
State: Maryland Zip: 21042

State of Maryland
City of/County of Baltimore

Subscribed and sworn to before me this 10th day of March, 2002.

Dorothy S. Doepke

(Legalization-notarization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)

