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RECORDATION FORM COVER SHEET PATENTS ONLY

Docket No.: **2251.1001-000**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below

1 Name of conveying party(ies)/Execution Date(s): Advanced Electron Beams, Inc. / September 12, 2005 / / / / Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2 Name and address of receiving party(ies) Name: ADVANCED ELECTRON BEAMS, INC. Internal Address: _____ _____ _____ Street Address: 301 BALLARDVALE STREET City: WILMINGTON State: MASSACHUSETTS Country: USA Zip: 01887 Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance. <input type="checkbox"/> Assignment <input checked="" type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ _____		4 Application number(s) or patent number(s) A. Patent Application No.(s) B. Patent No (s) 5,962,995 Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: JAMES M. SMITH, ESQ. Internal Address: _____ HAMILTON, BROOK, SMITH & REYNOLDS, P.C. Street Address: 530 VIRGINIA ROAD, P.O. BOX 9133 City: CONCORD State: MA ZIP: 01742-9133 Phone No. 978-341-0036 Fax No. 978-341-0136 Email Address: JAMES.SMITH@HBSR.COM		6 Total number of applications and patents involved. 1 7. Total Fee (37 CFR 1.21(h) & 3.41) \$40 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorization to charge deposit account number 08-0380 <input type="checkbox"/> Previously submitted - Doc ID No. [] <input checked="" type="checkbox"/> Authorized to charge any deficiencies or credit any overpayment to deposit account number 08-0380	
8. Darrell L. Wong Name of Person Signing  Date 9/28/09 Signature Date Total number of pages including cover sheet, attachments, and documents. 5			

CH \$40.00 080380 5962995

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PATENT
REEL: 023292 FRAME: 0554

State of Delaware
 Secretary of State
 Division of Corporations
 Delivered 03:18 PM 09/21/2005
 FILED 03:11 PM 09/21/2005
 SRV 050773424 - 4023461 FILE

CERTIFICATE OF MERGER
 OF
 ADVANCED ELECTRON BEAMS, INC.,
 A MASSACHUSETTS CORPORATION,
 INTO
 ADVANCED ELECTRON BEAMS, INC.,
 A DELAWARE CORPORATION

* * * * *

Pursuant to Section 252 of the General Corporation Law of the State of Delaware,
 Advanced Electron Beams, Inc., a Delaware corporation,

DOES HEREBY CERTIFY:

FIRST: That the name and state of incorporation of each of the constituent
 corporations of the merger are as follows:

<u>Name</u>	<u>State of Incorporation</u>
1. Advanced Electron Beams, Inc.	Delaware
2. Advanced Electron Beams, Inc.	Massachusetts

SECOND: That an agreement of merger between the parties to the merger (the
 "Agreement of Merger") has been approved, adopted, certified, executed and acknowledged by
 each of the constituent corporations in accordance with the Section 11.04 of Chapter 156D of the
 General Laws of The Commonwealth of Massachusetts and Section 252 of the General
 Corporation Law of Delaware.

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THIRD: That Advanced Electron Beams, Inc., a Delaware corporation, is a wholly-owned subsidiary of Advanced Electron Beams, Inc., a Massachusetts corporation authorized to issue 400,000 shares of common stock, \$.01 par value per share, of which 143,535 shares are issued and outstanding.

FOURTH: That the surviving corporation (hereafter, the "Surviving Corporation") shall be Advanced Electron Beams, Inc., a Delaware corporation.

FIFTH: That the Certificate of Incorporation of Advanced Electron Beams, Inc., a Delaware corporation, as filed with the Secretary of State of the State of Delaware shall be the Certificate of Incorporation of the Surviving Corporation.

SIXTH: That the executed Agreement of Merger is on file at the principal place of business of the Surviving Corporation. The address of said principal place of business is 10 Upton Drive, Unit 9, Wilmington, Massachusetts 01887.

SEVENTH: That a copy of the Agreement of Merger will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of any constituent corporation.

EIGHTH: This Certificate of Merger shall be effective upon the date of its filing with the Secretary of State of Delaware or upon the date of filing of Articles of Merger with the Secretary of State of The Commonwealth of Massachusetts, whichever shall occur later.

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IN WITNESS WHEREOF, Advanced Electron Beams, Inc., a Delaware corporation, has caused this Certificate to be signed by its President and attested by its Secretary this 12 day of September, 2005.

ADVANCED ELECTRON BEAMS, INC.,
A DELAWARE CORPORATION

By: Bryan M. Wysong
Bryan Wysong, President

ATTEST:

Charles Khuen
Charles Khuen, Secretary

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Delaware

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The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"ADVANCED ELECTRONIC BEAMS, INC.", A MASSACHUSETTS CORPORATION,

WITH AND INTO "ADVANCED ELECTRON BEAMS, INC." UNDER THE NAME OF "ADVANCED ELECTRON BEAMS, INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-FIRST DAY OF SEPTEMBER, A.D. 2005, AT 3:11 O'CLOCK P.M.

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You may verify this certificate online
at corp.delaware.gov/authver.shtml




Jeffrey W. Bullock, Secretary of State
AUTHENTICATION: 7498215

DATE: 08-27-09