04-11-2006 FORM PTO-1595 (Modified) SHEET U.S. DEPARTMENT OF COMMERCE (Rev. 03-01) OMB No. 0651-0027 (exp.5/31/2002) Patent and Trademark Office $_{\mathsf{Y}}$ P08A/REV03 Tab settings 🔷 🔷 103215681 To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof. Name of conveying party(ies): Name and address of receiving party(ies): Vladimir Genis 4.00 DREXEL UNIVERSITY Name: Alexandre Soukhomlinoff 32nd and CHESTNUT STREETS Irina Khomchenko Address: Additional names(s) of conveying party(ies) ☐ Yes 🔀 No 3. Nature of conveyance: Assignment Merger Security Agreement City: PHILADELPHIA State/Prov.: Change of Name Other Country: USA 19104 Execution Date: VG (3/15/06) AS & IK (3/11/2006) Additional name(s) & address(es) ☐ Yes X 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: Patent Application No. Filing date B. Patent No.(s) 11/292,022 **December 1, 2005** ☐ Yes 🔀 No Additional numbers 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: KEVIN J. DUNLEAVY 7. Total fee (37 CFR 3.41):....\$ Registration No. 32,024 Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: KNOBLE YOSHIDA & DUNLEAVY, LLC Authorized to be charged to deposit account **EIGHT PENN CENTER, SUITE 1350** Deposit account number: 1628 JOHN F. KENNEDY BOULEVARD 50-0462 City: PHILADELPHIA State/Prov.: PA Country: USA ZIP: 19103 (Attach duplicate copy of this page if paying by depos account) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy of the original document. KEVIN J. DUNLEAVY Name of Person Signing Total number of pages including cover sheet, attackments, and document:

Mail documents to be recorded with required cover sheet information to:

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P.O. Box 1450, Alexandria, VA 22313-1450

PATENT

Docket No.: DREX-1029US

REEL: 017757 FRAME: 0343

DREX-1029US

ASSIGNMENT

WHEREAS, We, Vladimir Genis, residing at 940 Nathaniel Irail, Warminster, PA 18974, United States of America, Alexandre Soukhomlinoff and Irina Khomchenko, residing at 77 Brooke Avenue, Apartment # G-12, Passaic, NJ 07055, United States of America (hereinafter referred to as "the Assignor"), are the inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Attorney Docket No. DREX-1029US, entitled, "Piezoelectric Stun Projectile" for which we have made U.S. Patent Application No. 11/292,022 filed on December 1, 2005, and U.S. Provisional Patent Application No. 60/632,162, filed on December 1, 2004 (hereinafter collectively referred to as "the applications").

WHEREAS, DREXEL UNIVERSITY, A Pennsylvania Corporation, having a place of business at 32nd and Chestnut Streets, Philadelphia, PA 19104, United States of America, (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said applications, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of the sum of One Dollat (\$1.00) to each of us in hand paid by said Assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, We, the said Assignor, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said Assignee, the entire right, title and interest in and to said inventions or improvements and said applications including the right to claim priority to the applications in any foreign application entitled to claim such priority under national law, international conventions, treaties or otherwise, and any and all continuations, divisions and renewals of and substitutes for said applications, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said Assignee, to file in our name applications for Letters Patent in all countries, the same to be held and enjoyed by said Assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND We hereby covenant that We have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said Assignee, its successors, assigns, nominees, or legal representatives, all known facts respecting said inventions

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or improvements, said applications and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries

AND we hereby authorize and request the Director - U.S. Patent and Irademark Office and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said Assignce, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the applications aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, I have hercunto set my hand and seal

Vladimii Genis, Inventor

Notarial Certificate

Before me personally appeared Vladimir Genis, who acknowledged the foregoing instrument to be a free act and deed and also represented that he is authorized to execute the same the day of March, in the year 200

COMMONWEALTH OF PENNSYLVANIA NOTARIAL SEAL CHARLENE RICE, Notary Public

City of Philadelphia, Phila. County My Commission Empires December 30, 2009

DREX-1029US

IN WITNESS WHEREOF, I have hereunto set my hand and seal-

Dated: MARCH 11, 2006

Notatial Certificate

State of NEW JORSEY
County Bengin

NOTARY PUBLIC OF NEW JERGEY My Commission Expires Aug. 6, 200.

DREX-1029US

IN WIINESS WHEREOF, I have hereunto set my hand and seal.

Dated: March, 11 2006

___ (L. S.)

Notarial Certificate

Before me personally appeared Irina Khomchenko, who acknowledged the foregoing instrument to be a free act and deed and also represented that she is authorized to execute the same the

PATENT REEL: 017757 FRAME: 0347