



## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned, **co-inventors**:

**Yuri V. Melnik, Rockville, MD**  
**Vitali Soukhoveev, Gaithersburg, MD**  
**Vladimir Ivantsov, Gaithersburg, MD**  
**Katie Tsvetkov, Gaithersburg, MD**  
**Vladimir A. Dmitriev, Gaithersburg, MD**

Who have created a certain invention for which an application for United States Letters Patent entitled **REACTOR FOR EXTENDED DURATION GROWTH OF GALLIUM CONTAINING SINGLE CRYSTALS** has been executed and

- is filed herewith;
- was filed in the U.S. Patent and Trademark Office on **July 11, 2001** and assigned Serial Number **09/903,299**;

Do hereby sell, assign and transfer to **Technologies and Devices International, Inc.**, a corporation, having a place of business at **8660 Dakota Drive, Gaithersburg, MD 20877**, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that **Technologies and Devices International, Inc.**, hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, successors, assigns, or legal representatives;

The terms "Application" and Application for Letters Patent" as used herein include both provisional and non-provisional applications;

Inventor(s) hereby authorizes the above-mentioned Assignee or its legal representative to insert in this instrument the filing date and serial number of said Application or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same has herein expressed is possessed by the undersigned.

IN THE TESTIMONY WHEREOF I have hereunto set my signature on the date indicated below.

Vitali Soukhoveev

Vitali Soukhoveev

Date: Oct. 02, 2001

STATE OF Maryland

COUNTY OF Montgomery

On Oct 2, 2001 before me, Cheryl L Bender, Notary Public,

personally appeared Vitali Soukhoveev

NAME(S) OF SIGNER(S)

personally known to me - OR -  proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

CHERYL L. BENDER  
NOTARY PUBLIC STATE OF MARYLAND  
Commission Expires May 17, 2003

Witness my hand and official seal.

Cheryl L. Bender  
SIGNATURE OF NOTARY

OPTIONAL SECTION  
CAPACITY CLAIMED BY SIGNER

Though statute does not require the Notary to fill in the data below, doing so may prove invaluable to persons relying on the document.

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- PARTNER(S)     LIMITED
- GENERAL
- ATTORNEY-IN-FACT
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- GUARDIAN/CONSERVATOR
- OTHER: \_\_\_\_\_

SIGNER IS REPRESENTING:  
Name of Person(s) or Entity(ies)

\_\_\_\_\_  
\_\_\_\_\_

IN THE TESTIMONY WHEREOF I have hereunto set my signature on the date indicated below.

Vladimir Ivantsov

[Signature]  
Date: 10/02/01

STATE OF Maryland

COUNTY OF Montgomery

On Oct. 2, 2001 before me, Cheryl L Bender, Notary Public,

personally appeared Vladimir Ivantsov  
NAME(S) OF SIGNER(S)

personally known to me - OR -  proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

CHERYL L. BENDER  
PUBLIC STATE OF MARYLAND  
Commission Expires May 17, 2003

Witness my hand and official seal.

[Signature]  
SIGNATURE OF NOTARY

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