

Assignment

Attorney Docket Nos.: 02830/1203618-US1

02830/0203618-US0

ASSIGNMENT

I, Robert R. Alfano, a citizen of the US, residing at 3777 Independence Avenue;
Bronx, New York 10463; and

I, Alexey Bykov, a citizen of the US, residing at 2167 Cruger Avenue, #6C; Bronx,
New York 10462; and

I, Vladimir Petricevic, a citizen of the US, residing at 470 West End Avenue, #6F;
New York, New York 10024; and

I, Mikhail Sharonov, a citizen of the Russian Federation, residing at 620 Reiss
Place #7M; Bronx, New York 10467;

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in
consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and
valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged,
paid to ASSIGNOR by

Research Foundation of the City University of New York

a private, not-for-profit educational corporation, located at 230 West 41st Street, New York,
New York 10036 (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its
successors and assigns, the below indicated right, title, and interest, **throughout the world** in
and to my Inventions entitled:

**Cr³⁺-DOPED LASER MATERIALS AND LASERS AND METHODS OF MAKING AND
USING**

and

New tunable Cr³⁺-doped laser material providing large Stokes shift and high quantum
efficiency of Cr³⁺ lasing ions in octahedral sites for near infrared 1100-1600 nm wavelength
range

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invented by me and described in U.S. Patent Application Serial No. 11/338,341, filed on January 24, 2006, and U.S. Provisional Patent Application Serial No. 60/645,611, filed January 24, 2005, respectively, in the United States of America; and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not be made;

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Inventions, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

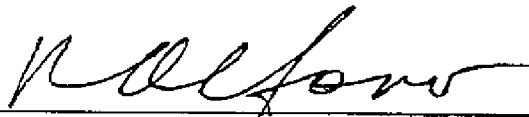
And I hereby authorize and request the Commission of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Inventions and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be

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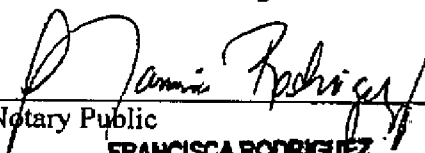


Robert R. Alfano

Date: 4/28/06

United States of America
State of New York)
County of New York) ss.:

On this 28th day of APRIL, 2006, before me
personally came Robert R. Alfano, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.



Notary Public
FRANCISCA RODRIGUEZ
Notary Public, State of New York
No. 01RO6070136
Qualified in Queens County
My Commission Expires Feb. 2010

Assignment
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A Bykov

Alexey Bykov

Date: 09/28/06

United States of America)
State of New York) ss.:
County of New York)

On this 28th day of APRIL, 2006, before me personally came Alexey Bykov, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Francisca Rodriguez
Notary Public
FRANCISCA RODRIGUEZ
Notary Public, State of New York
No. 01RO0070196
Qualified in Queens County
My Commission Expires Feb. 2010

Assignment
Attorney Docket Nos.: 02830/1203618-US1
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Vladimir Petricevic

Vladimir Petricevic

Date: 4/26/06


United States of America)
State of New York) ss.:
County of New York)

On this 28th day of APRIL, 2006, before me personally came Vladimir Petricevic, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Francisca Rodriguez
Notary Public
FRANCISCA RODRIGUEZ
Notary Public, State of New York
No. 01RO8070138
Qualified in Queens County
My Commission Expires Feb. 2010

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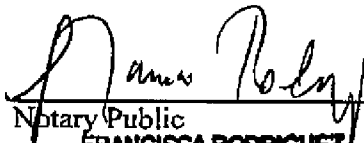


Mikhail Sharonov

Date: 04/28/06

United States of America)
State of New York) ss.:
County of New York)

On this 28th day of APRIL, 2006, before me personally came Mikhail Sharonov, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public
FRANCISCA RODRIGUEZ
Notary Public, State of New York
No. 01RC0070136
Qualified in Queens County
My Commission Expires Feb. 2010