

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Alexander A. BETIN	10/13/2005
Vladimir V. SHKUNOV	10/13/2005
RECEIVING PARTY DATA	
Name:	RAYTEHON COMPANY
Street Address:	870 Winter Street
City:	Waltham
State/Country:	MASSACHUSETTS
Postal Code:	02451-1449
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12860615
CORRESPONDENCE DATA	
Fax Number:	(703)770-7901
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	7037707900
Email:	dexter.forbes@pillsburylaw.com
Correspondent Name:	Larry J. Hume
Address Line 1:	PILLSBURY WINTHROP SHAW PITTMAN LLP
Address Line 2:	P. O. Box 1050
Address Line 4:	McLean, VIRGINIA 22102
ATTORNEY DOCKET NUMBER:	073522-0388524
NAME OF SUBMITTER:	Larry J. Hume
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif	

CH \$40.00 12860615

ASSIGNMENT

WHEREAS, We, as below named joint inventorS of the city and state as stated below next to my name, have invented "LASER AMPLIFIER POWER EXTRACTION ENHANCEMENT SYSTEM AND METHOD" for which application for Letters Patent of the United States has been executed by me on this day; and

WHEREAS, RAYTHEON COMPANY, a Delaware Corporation, having its principal place of business in Waltham, Massachusetts, is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world;

NOW, THEREFORE, in consideration of the obligations voluntarily assumed by me and set forth in an invention agreement between me and my employer, effective the date as stated below next to my name, and other good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign and transfer to RAYTHEON COMPANY, its successors, assigns or other legal representatives, the entire and exclusive right, title and interest in and to said invention invented by me, to said application and any and all applications which are continuations, continuations-in- part, divisions or substitutes of said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world on any of said applications and to any and all reexaminations, reissues, renewals or extensions of said Letters Patent in the United States and throughout the world for the full term or terms for which said Letters patent may be granted in the United States and throughout the world; authorize and request The Commissioner of Patents and Trademarks of the United States and all foreign countries to issue all such Letters Patent to said RAYTHEON COMPANY, its successors, assigns or other legal representatives; convenient that no assignment, sale, agreement, transfer or encumbrance has been, or will be, made or entered into which would conflict with this assignment, sale and transfer; and agree to communicate to RAYTHEON COMPANY, its successors, assigns or other legal representatives, upon request and at no cost or expense to me, any facts known by me respecting said invention, do all lawful acts, including the execution and delivery of all papers and proper oaths and giving of testimony that is deemed necessary or desirable by RAYTHEON COMPANY, its successors, assigns or other legal representatives with regard to said invention for protecting, obtaining, maintaining and enforcing any and all of said Letters Patent in the United States and throughout the world for said invention and for perfecting, affirming, recording and maintaining the title of RAYTHEON COMPANY, its successors, assigns or other legal representatives, and generally cooperate to the fullest extent in all matters pertaining to said invention, and any and all of said Letters Patent and the title thereto in RAYTHEON COMPANY, its successors, assigns or other legal representatives.

IN WITNESS WHEREOF, we have executed this instrument.

Full Name of Inventor Alexander A. Betin	Inventor Signature <i>[Signature]</i>	Date Signed 10/13/05
Residence (City and State) Manhattan Beach, California		Invention Agreement Date June 28, 1999

STATE OF California)

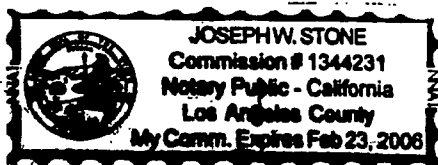
COUNTY OF Los Angeles)

SS:

On 10/13/2005 before me, JOSEPH W. STONE, a Notary Public in and for said State, personally appeared Alexander A. Betin

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.

WITNESS my hand and official seal.



Notary Public

[Signature]

Full Name of Inventor Vladimir V. Shkunov	Inventor Signature <i>[Signature]</i>	Date Signed 10/13/05
Residence (City and State) Torrance, CA		Invention Agreement Date March 31, 2003

STATE OF California)

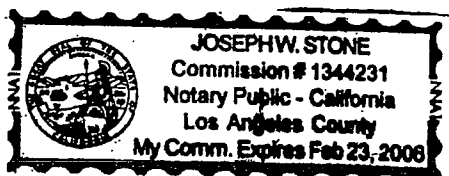
COUNTY OF Los Angeles)

SS:

On 10/13/2005 before me, JOSEPH W. STONE, a Notary Public in and for said State, personally appeared Vladimir V. Shkunov

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.

WITNESS my hand and official seal.



Notary Public

[Signature]

PATENT