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Form PTO-1595

RECOR



U.S. DEPARTMENT OF COMMERCE

(Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

Patent and Trademark Office
Docket No.: IMM-10007

102786143

1. Name of conveying party(ies): 7.6 04
Leonid Ya. KRASNOBAEV; Stephen N. Bunker
Additional name(s) of conveying party(ies) attached? Yes ___ No

2. Name and address of receiving party(ies)
Name: Implant Sciences Corporation
Internal Address: _____
Street Address: 107 Audubon Road, #5
Wakefield, Massachusetts 01880-1246
Additional name(s) & address(es) attached? Yes ___ No

3. Nature of conveyance:
 Assignment () Merger
 Security Agreement () Change of Name
 Other:
Execution Date: April 30, 2004

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the applications is:

A. Patent Application No.(s) 10/818,434

B. Patent No.(s)

Additional numbers attached? Yes ___ No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Patent Group
Internal Address: Choate, Hall & Stewart
Street Address: Exchange Place, 53 State Street
City: Boston State: MA ZIP: 02109-2804

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41).....\$40.00
 Enclosed
____ Authorized to be charged to deposit account
8. Deposit account number:
(Attached duplicate copy of this page if paying by deposit account)

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9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Donald W. Muirhead; 33,978
Name of Person Signing

Signature

July 2, 2004
Date

Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required covered sheet information to:
Director of the U.S. Patent & Trademark Office, Mail Stop Assignment Recordation Services
P.O. Box 1450, Alexandria, VA 22313-1450

07/07/2004 MSETACHE 00000095 10818434
01 FC:8021 40.00 DP

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PATENT
REEL: 015529 FRAME: 0102

ASSIGNMENT

WHEREAS, LEONID YA. KRASNOBAEV of Newton, Massachusetts, and STEPHEN N. BUNKER of Wakefield, Massachusetts have developed certain inventions described in U.S. patent application titled MODIFIED VORTEX FOR AN ION MOBILITY SPECTROMETER, having application number 10/818,434 and filed on April 5, 2004, and have full right to convey the entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

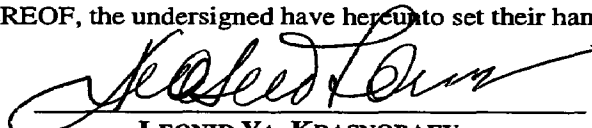
WHEREAS, Implant Sciences Corporation ("Assignee"), a corporation having executive offices at 107 Audubon Road, #5, Wakefield, Massachusetts 01880-1246, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said Assignees, their successors and assigns, the entire right, title and interest throughout the world in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in the U.S. or any foreign country based thereon, including the right to file said applications and claim priority under the provisions of any U.S. or international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignees or their successors and assigns.

The undersigned further agree, without any further payment or compensation by said Assignees or their successors and assigns, to communicate to said Assignees, their representatives or agents or their successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignees, their successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

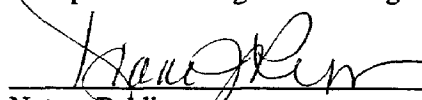
IN TESTIMONY WHEREOF, the undersigned have hereunto set their hands and seals on the date after their signatures.

4/30/04
Date


LEONID YA. KRASNOBAEV

Commonwealth of Massachusetts,
County of Middlesex)

On this 30 day of April, 2004, before me personally appeared LEONID YA. KRASNOBAEV, to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

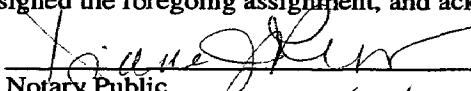

Notary Public
My commission expires 9/20/07

4/30/04
Date


STEPHEN N. BUNKER

Commonwealth of Massachusetts,
County of Middlesex)

On this 30 day of April, 2004, before me personally appeared STEPHEN N. BUNKER, to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.


Notary Public
My commission expires 9/20/07