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U.S. DEPARTMENT OF COMMERCE  
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documents or the new address(es) below.

To the Director of the U.S. Patent and

**1. Name of conveying party(ies)**

Joseph H. Schulman, Lawrence J. Karr

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) Dec. 16, 2005; Dec. 13, 2005

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**

Name: Alfred E. Mann Foundation for Scientific Research

Internal Address: \_\_\_\_\_

Street Address: P. O. Box 905

City: Santa Clarita

State: CA

Country: USA Zip: 91380-9005

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

09/11/2007 MKAYPASH 00000047 500692 11885844

06 FC-8021

40.00 DA

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Alfred E. Mann Foundation for Scientific Research

Internal Address: \_\_\_\_\_

Street Address: P. O. Box 905

City: Santa Clarita

State: CA Zip: 91380-9005

Phone Number: 661-702-6700

Fax Number: 661-702-6710

Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved:** One

**7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00**

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 500692

Authorized User Name Malcolm J. Romano

**9. Signature:**

Malcolm J. Romano  
Signature

Sept. 5, 2007

Date

Malcolm J. Romano

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
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PATENT  
REEL: 019857 FRAME: 0250

**ASSIGNMENT OF PATENT APPLICATION**

FOR GOOD AND VALUABLE CONSIDERATION,

We, the undersigned have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto:

**THE ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH**

a corporation organized under the laws of the state of as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries, in and to certain inventions relating to:

**SYSTEM AND METHOD FOR LOCATING OBJECTS AND COMMUNICATING WITH THE SAME**

described in an application for Letters Patent of the United States, identified as Attorney Docket No. A416-PCT, at THE ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH, P.O. Box 905, Santa Clarita, CA 91380-9005 and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.


We agree that, when requested, we shall, without charge to said Assignee but at its expense, sign and execute all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting, the entire right, title and interest thereto in said Assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

  
Inventor's Signature

12-16-5  
DATE

JOSEPH H. SCHULMAN  
Inventor's Printed Name

STATE OF CALIFORNIA            )  
  ) SS  
COUNTY OF LOS ANGELES    )

On Dec. 16, 2005 before me, Carrie M. Hall NOTARY PUBLIC,

personally appeared JOSEPH H. SCHULMAN, 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.

Signature Carrie M. Hall

(Seal)



*Lawrence J. Karr*  
 Inventor's Signature  
LAWRENCE J. KARR  
 Inventor's Printed Name

13 Dec 2005  
 DATE

STATE OF CALIFORNIA )  
 ) SS  
 COUNTY OF LOS ANGELES )

On Dec. 13, 2005 before me, Debra Lee Lane NOTARY PUBLIC,

personally appeared LAWRENCE J. KARR, 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.

Signature *[Signature]*

(Seal)

