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| Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002) Tab settings ⇌ ⇌ ⇌ ▼ ▼ ▼ ▼ ▼ ▼ ▼ | | RECORDATION FORM COVER SHEET PATENTS ONLY | | U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office | |
| To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. | | | | | |
| 1. Name of conveying party(ies): ROBERT R. VALLANCE BRUCE L. WALCOTT JAMES E. LUMPP ARAVIND (NMI) BALASUBRANIAN Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | 2. Name and address of receiving party(ies) Name: THE UNIVERSITY OF KENTUCKY Internal Address: RESEARCH FOUNDATION Street Address: ASTECC BUILDING, ROOM A144 City: LEXINGTON State: KY Zip: 40506 Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| 3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: 11/18/2003 | | | | | |
| 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s) 10/659,406 B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | |
| 5. Name and address of party to whom correspondence concerning document should be mailed: Name: WARREN D. SCHICKLI Internal Address: 434-281 Street Address: 247 NORTH BROADWAY City: LEXINGTON State: KY Zip: 40507 | | | 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41).....\$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 11-0978 | | |
| DO NOT USE THIS SPACE | | | | | |
| 9. Signature. WARREN D. SCHICKLI 31,057 Name of Person Signing  Signature 1/16/04 Date Total number of pages including cover sheet, attachments, and documents: 8 | | | | | |

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

CH \$40.00 110978 10659406

FORM PTO-1619C
Expires 06/30/99
OMB 0651-0027

**RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY**

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) **OSAMAH A. RAWASHDEH**

Execution Date
Month Day Year
11 18 2003

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

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SIGN & DATE

Docket No. 434-281

ASSIGNMENT

WHEREAS, we, **R. RYAN VALLANCE** of South Riding, Virginia, **BRUCE L. WALCOTT**, **JAMES E. LUMPP**, **ARAVIND (NMD) BALUASUBRAMANIAN** and **OSAMAH A. RAWASHDEH** of Lexington, Kentucky, have made certain new and useful invention, as disclosed in a United States Patent Application entitled **LINEAR ACTUATOR USING SHAPE MEMORY WIRE WITH CONTROLLER**, as filed on September 10, 2003 and assigned Ser. No. 10/659,406 by the U.S. Patent and Trademark Office;

AND WHEREAS, **THE UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION**, a corporation of the Commonwealth of Kentucky having a place of business at Astecc Building, Room A144, Lexington, Kentucky 40506, is desirous of acquiring the entire right, title and interest in and to said inventions and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, we do hereby sell, assign, transfer and set over unto **THE UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION**, its legal representatives, successors, and assigns, the entire right, title and interest in and to said inventions as set forth in the above-mentioned application, to the application itself, and in and to any and all Letters Patents of the United States and foreign countries which may be issued for the inventions disclosed therein;

UPON SAID CONSIDERATIONS, we hereby agree with the said assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will, at any time upon request, without further or additional consideration but at the expense of the said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or

Docket No. 434-281

transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of assignor and assignee;

AND we authorize the law firm of King & Schickli, PLLC to insert the serial number and filing date of the corresponding U.S. Patent Application when known;

AND we request the Commissioner of Patents and Trademarks or the corresponding official in any foreign country in which a patent or patents may issue for said inventions to issued said patent or patents to **THE UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION**, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patents and the inventions covered thereby.



R. RYAN VALLANCE

COMMONWEALTH OF)

COUNTY OF _____) SS:

On this 4th day of December, 2003, before me personally appeared **R. RYAN VALLANCE**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

My commission expires: 9/30/08


NOTARY PUBLIC



Docket No. 434-281

B. L. Walcott
BRUCE L. WALCOTT

COMMONWEALTH OF KENTUCKY)
COUNTY OF Fayette) SS:

On this 18 day of November, 2003, before me personally
appeared **BRUCE L. WALCOTT**, to me known to be the person named in and who executed the above
instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

My commission expires: January 16, 2004
Rosa C. Hicks
NOTARY PUBLIC



JAMES E. LUMPP

COMMONWEALTH OF KENTUCKY)
COUNTY OF _____) SS:

On this _____ day of _____, 2003, before me personally
appeared **JAMES E. LUMPP**, to me known to be the person named in and who executed the above instrument,
and acknowledged to me that he executed the same for the uses and purposes therein set forth.

My commission expires: _____.

SEAL

NOTARY PUBLIC

Docket No. 434-281

BRUCE L. WALCOTT

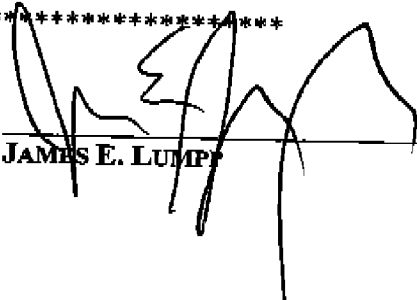
COMMONWEALTH OF KENTUCKY)
COUNTY OF _____) SS:

On this _____ day of _____, 2003, before me personally appeared BRUCE L. WALCOTT, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

My commission expires: _____.

SEAL

NOTARY PUBLIC



JAMES E. LUMPP

COMMONWEALTH OF KENTUCKY)
COUNTY OF Fayette) SS:

On this 24TH day of December, 2003, before me personally appeared JAMES E. LUMPP, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

My commission expires: 6/27/05.

SEAL



NOTARY PUBLIC

Docket No. 434-281

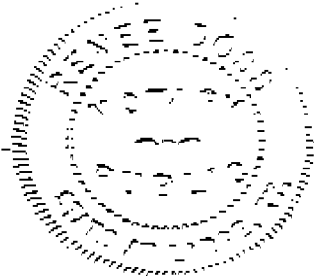
RAVIND (NMI) BALASUBRAMANIAN

COMMONWEALTH OF KENTUCKY)
COUNTY OF Jeff) SS:

On this 8 day of 12, 2003, before me personally appeared ARAVIND (NMI) BALASUBRAMANIAN, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

Notary Public, State at Large, KY
My commission expires Sept. 20, 2004
My commission expires: _____
Renee L. Owsen
NOTARY PUBLIC

SEAL



OSAMAH A. RAWASHDEH

COMMONWEALTH OF KENTUCKY)
COUNTY OF _____) SS:

On this _____ day of _____, 2003, before me personally appeared OSAMAH A. RAWASHDEH, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

My commission expires: _____

SEAL

NOTARY PUBLIC

Docket No. 434-281

ARAVIND (NMI) BALASUBRAMANIAN

COMMONWEALTH OF KENTUCKY)
COUNTY OF _____) SS:

On this _____ day of _____, 2003, before me personally appeared ARAVIND (NMI) BALASUBRAMANIAN, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

My commission expires: _____.

SEAL

NOTARY PUBLIC

Osamah A. Rawashdeh
OSAMAH A. RAWASHDEH

COMMONWEALTH OF KENTUCKY)
COUNTY OF FAYETTE) SS:

On this 18th day of NOVEMBER, 2003, before me personally appeared OSAMAH A. RAWASHDEH, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

My commission expires: 7-25-2005

Domenica Holway
NOTARY PUBLIC

