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Rev 10/04

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies)

John M. Vranish

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

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

Name: UNITED STATES GOVERNMENT AS REPRESENTED BY  
THE ADMINISTRATORS OF THE NATIONAL  
AERONAUTICS AND SPACE ADMINISTRATION

Internal Address:

Street Address:

City: Washington State: DC Zip: 20546

Country: U.S.A.

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

## 3. Nature of conveyance:

☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of  
Name☐ OtherExecution Date: August 8, 2007

## 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)  
11/821,095 filed June 21, 2007

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom  
correspondence concerning document should  
be mailed:Weingarten, Schurgin,  
Gagnebin & Lebovici LLP  
Ten Post Office Square  
Boston, Massachusetts 02109

## 6. Total number of applications and patents

Involved [1]

## 7. Total fee (37 CFR 3.41)....\$40.00

☐ Enclosed☒ Authorized to be charged to

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## 8. 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.Attorney Name: Beverly E. Hjorth  
Registration No. 32,033Signature: Beverly E. Hjorth  
BEH/dkh/356980.1Date: September 12, 2007

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

Attorney Docket No. NU-733XX

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PATENT  
REEL: 019849 FRAME: 0981

CH \$40.00 230804 11821095



National  
Aeronautics and  
Space  
Administration

Patent Application

## Assignment to the Government (by Government Employee)

Title of Invention: Robotic Arm With Compact High Power Joint Technology

Inventor(s): John M. Vranish

NASA Case No.: GSC 15,075-1 Application No.: 11/821,095 Filing Date: 6/21/2007

WHEREAS, the parties to this Assignment and Agreement are the undersigned inventor(s) and the United States Government (hereafter Government), as represented by the Administrator of the National Aeronautics and Space Administration;

WHEREAS, the making of this Assignment and Agreement is in accordance with 37 CFR Part 501; and

WHEREAS, the undersigned inventor(s) has (have) executed, on the date(s) indicated below, an application for United States Patent on the above-entitled invention.

NOW THEREFORE, in consideration of employment by the Government, the undersigned hereby:

1. Assign to the Government my (our) full and exclusive right in and to said invention within the United States of America, its territories and possessions, and my (our) entire right, title, and interest in and to said application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom.

2. Agree to grant to the Government my (our) full and exclusive foreign rights in and to said invention, in accordance with 37 CFR 501.9(d), including rights of priority under the International Convention of Paris (1883), as amended. If the Government chooses not to file an application in any foreign country, I (we) may request rights in that country, in accordance with 37 CFR 501.9(d), and such rights will be subject to the reservation to the Government of a nonexclusive, irrevocable, royalty-free license in the invention with power to grant licenses for all governmental purposes. The terms of such reservation will appear, where practicable, in any foreign patent which may issue on such invention.

3. Agree, at the expense of the Government, (a) to execute any document for, (b) to deliver any requested information to, and (c) to cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment and Agreement.

4. Authorize and request the attorneys of record in the application to insert the application number and filing date above when required.

John M. Vranish 08/08/07  
(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)

John M. Vranish 900 Truro Lane, Crofton, MD 21114  
(Inventor's Typed Name) (Mailing Address - Including Country)

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(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)

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(Inventor's Typed Name) (Mailing Address - Including Country)

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(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)

\_\_\_\_\_  
(Inventor's Typed Name) (Mailing Address - Including Country)

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