PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|--|
| NATURE OF CONVEYANCE: | EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE |

CONVEYING PARTY DATA

| Name | Execution Date |
|---|----------------|
| The University of North Carolina at Chapel Hill | 02/20/2004 |

RECEIVING PARTY DATA

| Name: | National Institutes of Health (NIH), U.S. Dept. of Health and Human Services (DHHS), U.S. Government | |
|-------------------|--|--|
| Street Address: | NIH Division of Extramural Inventions and Technology Resources (DEITR) | |
| Internal Address: | 6705 Rockledge Drive, Suite 310, MSC 7980 | |
| City: | Bethesda | |
| State/Country: | MARYLAND | |
| Postal Code: | 20892-7980 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|----------------|---------|
| Patent Number: | 6690816 |

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Total Attachments: 1

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PATENT REEL: 021050 FRAME: 0701

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LICENSE TO THE UNITED STATES GOVERNMENT

Invention Title:

Systems and Methods For Tubular Object Processing

Inventor(s):

Stephen Aylward, Elizabeth Bullitt, Stephen M. Pizer, and Daniel Fritsch

Patent or Application Serial No.: 6,690,816

U.S. Filing/Issue Date:

February 10, 2004

Grant/Contract Identification Number(s):

CA67812; £IR #0578206-97-0029

Grantee/Contractor File #:

OTD98-40

Foreign Applications filed/intended in (countries):

Australia, Canada and Europe

The invention identified above is a Subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights clause at 37 CFR 401.14 or FAR 52.227-11, which are included among the terms of the above-identified grant/contract award from the Public Health Service/National Institutes of Health. This document is confirmatory of:

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The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 20th day of February 2004

obert I. Pozner, Ph.D., Senior Associate Director

For:

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