502186998 01/08/2013

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 General Hospital Corporation | 01/02/2013 |

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 |
|---------------------|----------|
| Application Number: | 12994960 |

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Total Attachments: 1

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PATENT REEL: 029586 FRAME: 0954

MGH Ref: 03713.03 PCT1 US-Edison No.: 4907701-08-0006

License to the United States Government

Application Title: Use of Oncolytic Herpes Viruses for Killing Cancer Stem Cells

Inventor(s): Martuza, Robert Lawrence, et al.

U.S. Patent Application Number:

12/994,960

Filing Date:

3/25/2011

U.S. Patent Number:

Issue Date:

Grant/Contract Identification Number(s): NS032677

Foreign Applications filed/intended in (countries):

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(s) from the National Institutes of Health. This document is confirmatory of

- 1. The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and
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The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

, day of January, 2013

By

Michele O'Shea

Senior Invention Administrator

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For The General Hospital Corporation

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PATENT **REEL: 029586 FRAME: 0955**

RECORDED: 01/08/2013