

<b>PATENT ASSIGNMENT COVER SHEET</b>
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL	03/30/2017
<b>RECEIVING PARTY DATA</b>	
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	10933923
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<b>Total Attachments: 1</b>	
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*(Sign and submit this executed document to the United States Patent and Trademark Office – Electronic Patent Assignment System (EPAS) <http://epas.uspto.gov>)*

**Executive Order 9424: Government Support License (Government Support Clause)**

Invention title: Identification of HIV drug-resistance mutations in 2-LTR circles

Inventor(s): Mark Sharkey; Mario Stevenson

U.S. Filing/Issue Date: 09/02/2004

Patent or Application Serial No: 10/933,923

Grant/Contract Number(s): AI049152

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, FAR 52.227-11 or FAR 52.227-12** (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

1. As required by 37 CFR 401.14 (f) (2) and Executive Order 9424:

This invention was made with government support under **Grant/Contract Number(s)** \_\_\_\_\_ awarded by the National Institutes of Health. The government has certain rights in the invention.

2. All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award.

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

Signed this 30th day of March 2017

By: James P. McNamara, Ph.D.

**Institutional Business Official Printed Name and Title**

James P. McNamara, Ph.D.

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