

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE				
CONVEYING PARTY DATA					
<table border="1"><tr><th>Name</th><th>Execution Date</th></tr><tr><td>GENERAL HOSPITAL CORPORATION dba MASS</td><td>04/23/2009</td></tr></table>	Name	Execution Date	GENERAL HOSPITAL CORPORATION dba MASS	04/23/2009	
Name	Execution Date				
GENERAL HOSPITAL CORPORATION dba MASS	04/23/2009				
RECEIVING PARTY DATA					
Name:	National Institutes of Health (NIH), U.S. Dept. of Health and Human Services (DHHS), U.S. Government				
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PROPERTY NUMBERS Total: 1					
<table border="1"><tr><th>Property Type</th><th>Number</th></tr><tr><td>Patent Number:</td><td>5885621</td></tr></table>	Property Type	Number	Patent Number:	5885621	
Property Type	Number				
Patent Number:	5885621				
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Total Attachments: 1 source=5885621ca#page1.tif					

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PATENT
REEL: 022629 FRAME: 0673

License to the United States Government

Application Title: Treatment of Hemoglobinopathy

Inventor(s): C. Alvin Head and Warren M. Zapol

U.S. Patent Application Number: 08/832,913 **Filing Date:** 04/04/1997

U.S. Patent Number: 5,885,621 **Issue Date:** 3/23/1999

Grant/Contract Identification Number(s): HL042397

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 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 23rd day of April 2009

By Michele O'Shea
Michele O'Shea
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For The General Hospital Corporation

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