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Attention: Assignment Division

Please record the attached original documents or copy thereof.

- (1) **Conveying Party(ies):** Dr. Daniel C. Carter and Dr. Joseph X. Ho
- (2) **Receiving Party(ies):** National Aeronautics and Space Administration
Washington, D.C. 20546
- (3) **Nature of Conveyance:** Assignment
Execution Date: 3/1/99
- (4) **Application Number:** NASA Case No.: MFS-31320-1
Application Title: Oxygen Transporting Albumin-Based Blood Replacement Composition
and Volume Expander

The execution date of the application is: 12/3/97 - 08/984,176.

- (5) **Name and address of party to whom correspondence concerning document should be mailed:**

National Aeronautics and Space Administration
Attn: CC01/James J. McGroary
Marshall Space Flight Center, AL 35812

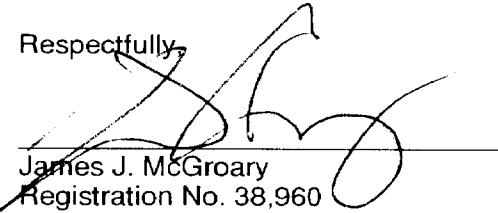
- (6) **Total number of applications involved:** 1(One)

(7) **Total fee (37 CFR 3.41):** \$40.00. Authorized to be charged to deposit account.

- (8) **Deposit account number:** 14-0116

- (9) 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. This cover sheet consists of one page.

Respectfully,


James J. McGroary
Registration No. 38,960

3/3/99
(Date)

Enclosure(s): NASA FORM 430
ADDITIONAL COPY OF THIS FORM

PATENT
REEL: 9809 FRAME: 0212



National Aeronautics and
Space Administration

Patent Application

ASSIGNMENT AND AGREEMENT

Title of Invention: Oxygen Transporting Albumin-Based Blood Replacement Composition and Volume Expander

Inventor(s): Dr. Daniel C. Carter and Dr. Joseph X. Ho

NASA Case No.: MFS-31320-1 Application No.*: 08/984,176 Filing Date*: 12/3/97

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

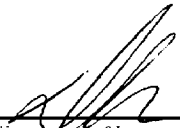
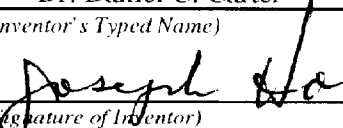
WHEREAS, the undersigned inventor(s) has (have) executed, on the date(s) indicated below, an application for a United States Patent on the above-entitled invention.

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

1. Assign to the Government partial and non-exclusive right in and to said invention within the United States of America, its territories and possessions, and a partial 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 partial and non-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.

 (Signature of Inventor)	<u>3/1/99</u> (Date)	<u>12/3/97</u> (Date Application Executed)
<u>Dr. Daniel C. Carter</u> (Inventor's Typed Name)	<u>119 Wood Creek Drive, Madison, AL 35758</u> (Post Office Address - Including Country)	
 (Signature of Inventor)	<u>3/1/99</u> (Date)	<u>12/3/97</u> (Date Application Executed)
<u>Dr. Joseph X. Ho</u> (Inventor's Typed Name)	<u>105 Wood Creek Drive, Madison, AL 35758</u> (Post Office Address - Including Country)	
 (Signature of Inventor)	 (Date)	 (Date Application Executed)
 (Inventor's Typed Name)	 (Post Office Address - Including Country)	

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RECORDED: 03/08/1999

PATENT
REEL: 9809 FRAME: 0213