

12-05-2002

National Aeronautics and
Space Administration



Lyndon B. Johnson Space Center
2101 NASA Road 1
Houston, Texas 77058-3696

102304354

Certificate



17866US

Reply to Attn of: HA

PATENT APPLICATION

NOV 19 2002

Honorable Commissioner of Patents and Trademarks
North Tower Building, Suite 10C35
Washington, D.C. 20231

11040 U.S. PTO
10/302323
11/19/02

Please record the attached original document or copy thereof.

- (1) Conveying party(ies): James R. Carl and George W. Raffoul
- (2) Receiving party: U.S. GOVERNMENT AS REPRESENTED BY THE
ADMINISTRATOR OF NATIONAL AERONAUTICS AND
SPACE ADMINISTRATION, WASHINGTON, D. C. 20546
- (3) Nature of conveyance: ASSIGNMENT
Execution Date: 11/18/02 & 11/19/02 *mes 11/19/02*
- (4) Application Number: MSC-23427-1-SB
Execution Date: 11/18/02 & 11/19/02
- (5) Return recorded document to: NASA JOHNSON SPACE CENTER
ATTN: HA/EDWARD K. FEIN
2101 NASA ROAD 1
HOUSTON, TEXAS 77058
- (6) Total number of applications involved: ONE *10302323*
- (7) Total fee (37 CFR 3.41): \$40.00
- (8) Charge to DEPOSIT ACCOUNT NO. 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.

Total Number of pages including cover sheet: 3

Respectfully,

Theodore U. Ro

Theodore U. Ro, Reg. #52,168

Enclosures:

1. NASA FORM 430 (ASSIGNMENT)
2. ADDITIONAL COPY OF THIS FORM

12/04/2002 BTOM11 00000230 140116 10302323
01 FC:8021 40.00 CH

PATENT
REEL: 013538 FRAME: 0571



Assignment to the Government (by Independent Inventor)

Title of Invention: Microwave Medical Treatment Apparatus and Method

Inventor(s): G. Dickey Arndt and Phong H. Ngo both employees of NASA/Johnson Space Center together with James R. Carl and George W. Raffoul both Independent Consultants

NASA Case No.: MSC-23427-1-SB

Application No.*: _____

Filing Date*: _____

WHEREAS, the parties to this Assignment are: (1) the undersigned inventor(s) and (2) the United States Government, as represented the Administrator of the National Aeronautics and Space Administration, Washington, D.C. 20546 (hereafter, the Government);

WHEREAS, the undersigned inventor(s) is (are) desirous of sharing in any royalties that may be derived from licensing the above identified invention (hereinafter, the Invention) and has (have) executed, on the date indicated below, an application for a United States Patent on the Invention or is (are) desirous of having such a patent application filed; and

WHEREAS, the Government is desirous of acquiring the entire right, title and interest in the Invention and the patent application filed, or to filed, thereon.

NOW THEREFORE, in consideration of the payment of royalties, pursuant to NASA Policy Directive, NPD 2092.1, "Royalties and Other Payments Received by NASA from the Licensing of Patents and Patent Applications" (incorporated herein by reference), that may result from licensing the Invention, the undersigned hereby:

1. Assigns to the Government my (our) full right in and to the Invention within the United States of America, its territories and possessions and my (our) entire right, title and interest in and to said patent application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom.

2. Grant to the Government the option to acquire, upon request, all my (our) foreign rights in and to the Invention.

3. Agrees, at the expense of the Government, to: (a) execute any document, (b) deliver any requested information, and (c) cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment.

4. Warrants that I (we) have the authority to execute this Assignment.

*5. Authorizes and requests the attorneys of record in the application to insert the patent application number and filing date above when required.

James R. Carl
(Signature of Inventor)

11-18-02
(Date Assignment Executed)

11-18-02
(Date Application Executed)

James R. Carl
(Inventor's Typed Name)

16122 Rill Lane, Houston, Texas 77062, USA
(Mailing Address - Including Country)

George W. Raffoul
(Signature of Inventor)

11/19/02
(Date Assignment Executed)

11/19/02
(Date Application Executed)

George W. Raffoul
(Inventor's Typed Name)

9018 Tami Renee, Houston, Texas 77040, USA
(Mailing Address - Including Country)

(Signature of Inventor)

(Date Assignment Executed)

(Date Application Executed)

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