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102941746

Date: January 18, 2005

112847 U.S. PTO
11/04/0304

MAILSTOP ASSIGNMENT

To the Commissioner of Patents
Please record the attached original documents or copy thereof

1. Name of conveying party(ies)

1. Richard R. HOFER; 2. Peter PETERSON

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: The United States of America as represented
by the Administrator of NASAAddress: NASA Headquarters
Washington, DC 20546

Additional name(s) & address(es) attached?

☐ Yes ☒ No

3. Nature of conveyance:

- ☒
- Assignment
- ☐
- Merger
-
- ☐
- Security Agreement
- ☐
- Change of Name
-
- ☐
- Other _____

Execution Date: 1/14/05

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 1/14/05

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Squire Sanders & Dempsey L.L.P.

Street Address: 8000 Towers Crescent Drive, 14th Floor

Tysons Corner, Virginia 22182-2700

6. Total number of applications and patents involved:
One

7. Total fee (37 CFR 3.41)..... \$ 40.00

- ☒
- Included in attached Check No.
- 012442
- .
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- ☒
- Any additional fees are authorized to be charged to
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8. Counsel's Deposit account number: 50-2222
(Attach duplicate copy of this page if paying by
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9. Statement and signature.

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.Kevin F. TurnerName of Person Signing
Reg. No. 43,437
SignatureJanuary 18, 2005
Date

Total number of pages including cover sheet, attachments, and document: 3

PATENT
REEL: 016230 FRAME: 0953

ASSIGNMENT AND AGREEMENT

Title of Invention: MAGNETIC CIRCUIT FOR HALL EFFECT PLASMA ACCELERATOR

Inventor(s): MANZELLA et al.

NASA Case No.: LEW 17,678-1

Application No.*:

Application Filing Date*:

WHEREAS, the parties to this ASSIGNMENT and AGREEMENT are: (1) the undersigned Inventor(s) and (2) the United States Government, as represented by the Administrator of the National Aeronautics and Space Administration, Washington, DC 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 (hereafter, the Invention) and has (have) executed, in 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

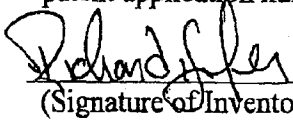
WHEREAS, the Government is desirous of acquiring the entire right, title and interest in the Invention and the patent application filed, or to be filed, thereon.

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 patents 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 and AGREEMENT.

4. Warrants that I (we) have the authority to execute this ASSIGNMENT and AGREEMENT.

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

 1/14/2005

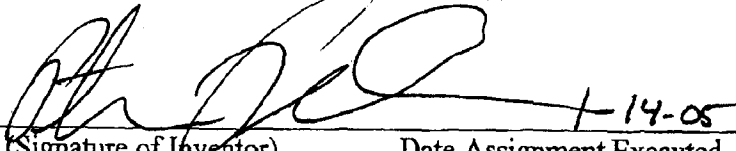
(Signature of Inventor) Date Assignment Executed Date Application Executed

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 1-14-05

(Signature of Inventor) Date Assignment Executed Date Application Executed

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(Inventor's Typed Name)

(Post Office Address - Including Country)