

08-16-2005

23351

8/10/05

Practitioner's Docket No. LAR-16885-1



103061878

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Assignment Recordation Services  
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P.O. Box 1450  
Alexandria, VA 22313-1450

ASSIGNMENT (DOCUMENT) COVER SHEET (37 C.F.R. § 3.31)

Attached please find an assignment (document) for recordal.

IDENTIFICATION OF APPLICATION(S) AND/OR PATENT(S)  
FOR ASSIGNMENT (DOCUMENT) RECORDAL  
(37 C.F.R. § 3.21 and 37 C.F.R. § 3.31(a)(4))

1. This assignment is for the following patent application and/or issued patent:

- a. National application: SN: 11/177,664, filed on July 7, 2005.

TOTAL NUMBER OF APPLICATIONS AND/OR PATENTS  
AND TOTAL FEE

2. A. The total number of applications and/or patents identified in this cover sheet is: 1.

B. The total fee is (37 C.F.R. Section 1.21(h)):

1 x \$40.00 = \$40.00

C. Payment of fee is made by:

Authorization is hereby made to charge the amount of \$40.00 to Deposit Account No. 14-0116.

Charge any additional fees required by this paper or credit any overpayment in the manner authorized above.

A duplicate of this paper is attached.

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08/12/2005 6TOM11 00000122 140116 11177664

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**NAME OF PARTIES CONVEYING INTEREST  
(37 C.F.R. § 3.31(a)(1))**

3. The parties conveying interest are:

1. Neal E. Hass
2. Paul A. Schallhorn

**NAME AND ADDRESS OF PARTY(IES) RECEIVING INTEREST  
(37 C.F.R. § (a)(2))**

4. The rights are being conveyed to:

United States of America as represented by the Administrator of the National Aeronautics and Space Administration  
Washington, DC 20546-0001 U.S.

**DESCRIPTION OF INTEREST CONVEYED OR  
TRANSACTION RECORDED (37 C.F.R. § 3.31(a)(3))**

5. The accompanying document intends to accomplish an assignment.

**NAME AND ADDRESS OF PARTY TO WHOM  
CORRESPONDENCE SHOULD BE MAILED (37 C.F.R. § 3.31 (a)(5))**

6. Please address correspondence to:

Name: Barry V. Gibbens  
Address: NASA Langley Research Center  
MS 141  
Hampton, VA 23681-2199  
U.S.  
Telephone No.: 757-864-7141

**DATE ASSIGNMENT (DOCUMENT) EXECUTED  
(37 C.F.R. § 3.31(a)(7))**

7. The attached assignment (document) was executed by Paul A. Schallhorn on July 13, 2005.  
The attached assignment (document) was executed by Neal E. Hass on August 5, 2005.

**LANGUAGE OF ASSIGNMENT (DOCUMENT) TO BE RECORDED**

8. The attached document is in the English language.

**ORIGINAL DOCUMENT OR TRUE COPY SUBMITTED**

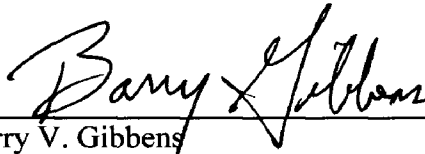
9. Submitted herewith is the original document.

**STATEMENT (37 C.F.R. § 3.31(a)(9)) AND  
SIGNATURE (37 C.F.R. § 3.31(a)(10))**

10. 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.

Date:

8/10/05



Barry V. Gibbens  
Registration No. 44,707  
NASA Langley Research Center  
MS 141  
Hampton, VA 23681-2199  
U.S.  
757-864-7141  
Customer No. 23351

**TOTAL NUMBER OF PAGES BEING SUBMITTED**

11. The total number of pages being submitted, **including documents** is: **4**



National  
Aeronautics and  
Space  
Administration

## Assignment to the Government (by Government Employee)

Title of Invention: Method of Simulating Flow-Through Area of Pressure Regulator

Inventor(s): Neal E. Haas and Paul A. Schallhorn

NASA Case No.: LAR-16885-1 Application No.\*: 11/177,664 Filing Date\*: 07/07/2005

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 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 my (our) full and exclusive right in and to said invention within the United States of America, its territories and possessions, and my (our) entire 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 my (our) full and 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.

\*4. Authorize and request the attorneys of record in the application to insert the application number and filing date above when required.

Neal E. Haas 8/5/05  
(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)

Neal E. Haas 113 Swanson Court, Yorkton, VA 23693, US  
(Inventor's Typed Name) (Mailing Address - Including Country)

Paul A. Schallhorn 7/13/05  
(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)

Paul A. Schallhorn 3104 Cobia Lane, Indialantic, FL 32903, US  
(Inventor's Typed Name) (Mailing Address - Including Country)

\_\_\_\_\_  
(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)

\_\_\_\_\_  
(Inventor's Typed Name) (Mailing Address - Including Country)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Neal E. Hass and Paul A. Schallhorn

Filed: July 7, 2005

Application No.: 11/177,664

For: Method Of Simulating Flow-Through Area Of A Pressure Regulator

**Mail Stop Assignment Recordation Services****Commissioner for Patents****P.O. Box 1450****Alexandria, VA 22313-1450****EXPRESS MAIL CERTIFICATE**

"Express Mail" label number ED 374458729 US

Date of Deposit: August 10, 2005

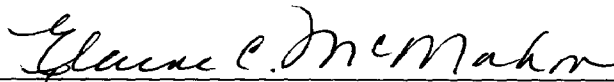
I hereby state that the following *attached* papers:

Assignment Cover Sheet – 3 pages (2 copies)

Assignment of Invention (by Government Employee) – 1 page

Return Postal Card

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, on the date indicated above and is addressed to Mail Stop Assignment Recordation Services, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Elaine C. McMahon  
Paralegal Specialist  
NASA Langley Research Center  
Mail Stop 141  
Hampton, VA 23681-2199  
757-864-3226 (voice)  
757-864-9190 (facsimile)