

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

08-19-1998

U.S. Department of Commerce  
Patent and Trademark Office



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RECORDATION FORM COVER SHEET  
PATENTS ONLY

*MRD*  
*8/1/98*

PATENT  
549 U.S. PTO  
09/13/98  
08/10/98

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

New

Resubmission (Non-Recordation)  
Document ID# \_\_\_\_\_

Correction of PTO Error  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

Corrective Document  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

Conveyance Type

Assignment  Security Agreement

License  Change of Name

Merger  Other \_\_\_\_\_

**U.S. Government**  
(For Use ONLY by U.S. Government Agencies)

Departmental File  Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached

Execution Date  
Month Day Year

Name (line 1) THOMAS J. CARLSON 07-01-98

Name (line 2) \_\_\_\_\_

Second Party

Name (line 1) JAMES A. EVANS 07-07-98

Name (line 2) \_\_\_\_\_

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1) U.S. Army Corps of Engineers, as represented by  If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2) the Secretary of the Army

Address (line 1) Kingman Building ATTN: CEHEC-OC

Address (line 2) 7701 Telegraph Road

Address (line 3) Alexandria, Virginia 22315-3860  
City State/Country Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name Luther A. Marsh Esq. Reg. No. 20,018

Address (line 1) ATTN: CEHEC-OC Kingman Building

Address (line 2) 7701 Telegraph Road

Address (line 3) Alexandria, VA 22315-3860

Address (line 4) \_\_\_\_\_

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08/18/1998 TTOM11 00000037 012505 09131908

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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231: 0607

**Correspondent Name and Address**

Area Code and Telephone Number

Name

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Address (line 3)

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**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

#

**Application Number(s) or Patent Number(s)**

Mark if additional numbers

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

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<input type="text"/>	<input type="text"/>	<input type="text"/>

If this document is being filed together with a new Patent Application, enter the date the patent application was filed. Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>

**Number of Properties**

Enter the total number of properties involved. #

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment: Enclosed  Deposit Account

Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the Deposit Account Number: #

Authorization to charge additional fees: Yes  No

**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. Charges to deposit account are authorized, as indicated herein.

Luther A. Marsh, 20,018

  
Signature

8/27/98  
Date

**RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY**

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

U.S. P.  
09/13/98  
06/10/98

**Conveying Party(ies)**

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Execution Date  
Month Day

06-30-98

Name (line 1) JOHN M. NESTLER

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

**Receiving Party(ies)**

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

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**Application Number(s) or Patent Number(s)**

Mark if additional numbers

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

Grid for Patent Application Number(s) with 5 rows and 3 columns of input boxes.

Grid for Patent Number(s) with 5 rows and 3 columns of input boxes.

ASSIGNMENT OF INVENTION

For use of this form, see AR 27-60; the proponent agency is OTJAG

Title of Invention: Multiple Pressure Gradient Sensor
Inventor(s): Thomas J. Carlson, Jim Evans, and John M. Nestler

\* Application Serial No.:
\* Date Oath Executed:
\* Filing Date:

(\*Date not known at execution may be added for better identification.)

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

- 1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patent.
2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all right, title and interest in the invention in such foreign country shall remain in me (us), subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government and/or furtherance of the foreign policies of the Government.
3. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon.

Signature of Inventor: Thomas J. Carlson
(First name) (Middle Initial) (Last name)
USAE Waterways Experiment Station, 3909 Halls Ferry Rd.

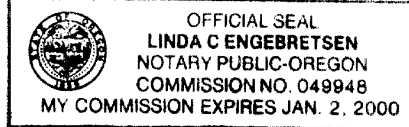
Duty Address: Vicksburg MS 39180-6199
(Locality) (County) (State)

Date: 1 July 1998 Typed Name of Inventor: Thomas J. Carlson

State of OREGON )
County of MULTNOMAH ) SS.

On the above date Thomas J. Carlson known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

Juda C. Engbretsen
(Signature of notary public)



My Commission expires on 1-2-2000

**SUPPLEMENTAL SIGNATURE SHEET**

For use of this form, see AR 27-80; the proponent agency is OTJAG

Use this form with DA Forms 2873-R and 2874-R when additional signature blocks are needed.

1. ASSIGNOR(s) OR LICENSOR(s) NAME(s)	2. APPLICATION SERIAL NUMBER
	3. FILING DATE

4. TITLE OF INVENTION

SIGNATURE OF INVENTOR: James A. Evans  
(First name) (Middle initial) (Last name)

DUTY ADDRESS: USMC Waterways Experiment Station  
 3909 Halls Ferry Rd Vicksburg, MS 39180

DATE SIGNED: July 98 INVENTOR'S TYPED NAME: James A. Evans

STATE OF Mississippi )  
 COUNTY OF Warren ) SS.

On the above date James A. Evans known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that he executed the same as his own free act and deed.

(SEAL) Nancy Lent Braswell  
(Signature of notary public)  
 My Commission expires on June 24, 2000

SIGNATURE OF INVENTOR: John M. Nestler  
(First name) (Middle initial) (Last name)

DUTY ADDRESS: USAR Waterways Experiment Station, 3909 Halls Ferry Rd.,  
 Vicksburg, MS 39180-6199

DATE SIGNED: 30 June 98 INVENTOR'S TYPED NAME: John M. Nestler

STATE OF Mississippi )  
 COUNTY OF Warren ) SS.

On the above date John M. Nestler known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that he executed the same as his own free act and deed.

(SEAL) Nancy Lent Braswell  
(Signature of notary public)  
 My Commission expires on June 24, 2000