



Applicant's Docket No. LAR 15652-1-CU

RE

PATENT

IN THE UNITED STATE

11-05-2002

ICE



102270930

7.19.02

U.S. Patent and Trademark Office
Assignment Division
Box Assignments
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Washington, D.C. 20231

(TWICE) CORRECTED
ASSIGNMENT (DOCUMENT) COVER SHEET (37 C.F.R. Section 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. Section 3.21 and 37 C.F.R. Section 3.31(a)(4))**

1. This assignment is for the following patent application and/or issued patent:
 - a. Patent No: 6,132,694 Issued: October 17, 2000
2. The document ID number as referenced in the PTO letter dated September 24, 2002 is:
 - a. 102170192

**TOTAL NUMBER OF APPLICATIONS AND/OR PATENTS
AND TOTAL FEE**

3. A. The total number of applications and/or patents identified in this cover sheet is: 1.
- B. Please charge Account 14-0116 for any fee deficiency or credit to account any overpayment.

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

4. The parties conveying interest are:
Erik J. Kielin, Kenneth G. Brown, and Jacqueline L. Schryer



PATENT TRADEMARK OFFICE

23351

**NAME AND ADDRESS OF PARTY(IES) RECEIVING INTEREST
(37 C.F.R. Section 3.31 (a)(2))**

5. The rights are being conveyed to:

Old Dominion University
Norfolk, Virginia 23529

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

6. The accompanying document intends to accomplish an assignment.

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

7. Please address correspondence to:

Name: Helen M. Galus
Address: NASA Langley Research Center
Mail Stop 212
3 Langley Boulevard
Hampton, VA 23681
Telephone No.: 757-864-3227

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

8. The attached assignment (document) was executed by Erik J. Kielin, Kenneth G. Brown, and Jacqueline L. Schryer on January 29, 1998.

LANGUAGE OF ASSIGNMENT (DOCUMENT) TO BE RECORDED

9. The attached document is in the English language.


ORIGINAL DOCUMENT OR TRUE COPY SUBMITTED

10. Submitted herewith is a true copy of the original documents, which I certify to be a true copy.

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

11. 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.

10/16/02



Helen M. Galus
Registration No. 40,615
NASA Langley Research Center
Mail Stop 212
3 Langley Boulevard
Hampton, VA 23681
757-864-3227
Customer No. 23351

TOTAL NUMBER OF PAGES BEING SUBMITTED

11. The total number of pages being submitted, **including documents is**: 5.

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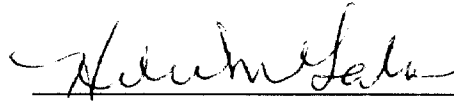
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1. This assignment is for the following patent application and/or issued patent:

a. Patent No: 6,132,694

Issued: October 17, 2000

[00000930 1]

CERTIFICATION UNDER 37 C.F.R. SECTIONS 1.8(a) AND 1.10*
(When using Express Mail, the Express Mail label number is mandatory;
Express Mail certification is optional.)

I hereby certify that, on the date shown below, this correspondence is being:

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deposited with the United States Postal Service in an envelope addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

37 C.F.R. Section 1.8(a)

37 C.F.R. Section 1.10*

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Date: 4/12/02

Helen M. Galus

***WARNING:** Each paper or fee filed by "Express Mail" **must** have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. Section 1.10(b).
"Since the filing of correspondence under [Section] 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

4
(04/29/2002 6TON11 00000186 140116 6132694)
01 FC:581 40.00 CH

(Assignment (Document) Cover Sheet--page 1 of 7)

OFFICE
FINANCIAL SECTION
OCT 18 2000

PATENT TRADEMARK OFFICE

23351



**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. Please charge Account 14-0116 the sum of \$40.00. A duplicate of this cover sheet is attached.
- Please charge Account 14-0116 for any fee deficiency or credit to account any overpayment.

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

3. The parties conveying interest are:
Inventors Kielin, Brown, and J. Schryer (to Old Dominion University)
Old Dominion University (to Old Dominion University Research Foundation)
Old Dominion University Research Foundation (to NASA)

**NAME AND ADDRESS OF PARTY(IES) RECEIVING INTEREST
(37 C.F.R. Section 3.31 (a)(2))**

4. The rights are being conveyed to:
- National Aeronautics and Space Administration
Washington, D.C. 20546-0001

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

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- Telephone No.: 757-864-3227

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7. The attached assignment (document) was executed by Erik J. Kielin, Kenneth G. Brown, and Jacqueline L. Schryer on January 29, 1998.

The attached assignment (document) was executed by Old Dominion University on October 5, 2001.

The attached assignment (document) was executed by Old Dominion University Research Foundation on April 12, 2002.

LANGUAGE OF ASSIGNMENT (DOCUMENT) TO BE RECORDED

8. The attached documents are in the English language.

ORIGINAL DOCUMENT OR TRUE COPY SUBMITTED

9. Submitted herewith are true copies of the original documents, which I certify to be a true copies.

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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.



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NASA Langley Research Center
Mail Stop 212
3 Langley Boulevard
Hampton, VA 23681
757-864-3227
Customer No. 23351

TOTAL NUMBER OF PAGES BEING SUBMITTED

11. The total number of pages being submitted, **including documents** is: 10.

{00000930:1 }

(Assignment (Document) Cover Sheet--page 3 of 7)

For: U.S. and/or Foreign Rights

For: U.S. Application or
 U.S. Provisional Application

For: U.S. Patent

For: PCT Application

By: Multiple Inventors

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,



ASSIGNORS (Inventors):

George M. Wood
49 James Landing Road
Newport News, Virginia 23606, U.S.A.

Billy T. Upchurch
1213 Bluebird Drive
Virginia Beach, Virginia 23451, U.S.A.

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Hampton, Virginia 23666, U.S.A.

Patricia P. Davis
127 Lilburne Way
Yorktown, Virginia 23693, U.S.A.

Erik J. Kielin
910 E. Ocean View Avenue, 7
Norfolk, Virginia 23503, U.S.A.

Kenneth G. Brown
~~1628 Grey Friars Chase~~ *633 New Hampshire Ave*
~~Norfolk, Virginia 23456, U.S.A.~~ *1/28/98 JS*
Norfolk 23508

JL
Jacquelin L. Schryer
106 Santa Barbara Drive
Hampton, Virginia 23666, U.S.A.

Christine M. D'Ambrosia
6 Silverberry Road
Henrietta, New York 14467, U.S.A.

(This Assignment is applicable to INVENTOR(S): **ERIK J. KIELIN, KENNETH G. BROWN and JACQUELIN L. SCHRYER**)

hereby sells, assigns and transfers to

ASSIGNEE:

Old Dominion University
Norfolk, Virginia 23529

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

- the entire right, title and interest
- an undivided ONE-EIGHTH percent (1/8%) interest for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

and in all foreign countries, including all rights to claim priority in and to any and all improvements which are disclosed in the invention entitled:

CATALYST FOR OXIDATION OF VOLATILE ORGANIC COMPOUNDS

(check and complete (a), (b), (c), (d), (e), (f), or (g))

and which is found in

- (a) U.S. patent application executed on even date herewith
- (b) U.S. patent application executed on _____
- (c) U.S. provisional application naming the above inventor(s) for the above-entitled invention
- Express mail label no.: _____
- Mailed: _____

To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request the attorney of record to insert below the filing date and application number when they become known.

- (d) U.S. application no. _____ filed on _____
- (e) International application no. PCT / _____
filed on _____

- (f) U.S. patent no. _____ issued _____
- A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(check (g), if foreign application(s) is also being assigned)

- (g) and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/we have hereunto set our hand and seal.

Date: 1/29/98

Erik J. Kielin
ERIK J. KIELIN

Date: 1/28/98

Kenneth G. Brown
KENNETH G. BROWN

Date: 1/29/98

Jacqueline L. Schryer
JACQUELINE L. SCHRYER

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.