

Case Nos.: NORTH-367A /A-2216

04-14-1999

FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4-94)



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

Tab settings

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To the Honorable Commissioner of Patents and Trademarks, U.S. Department of Commerce, Washington, D.C. 20231

PTO 09/28/99 04/06/99

4-6-99

1. Name of conveying party(ies):

Russell Elbert Bade

Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)

Name: NORTHROP GRUMMAN CORPORATION

Internal Address: Same as Below.

Street Address: 1840 Century Park East

City: Los Angeles State: CA ZIP: 90067-2199

Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:

- Assignment, Merger, Security Agreement, Change of Name, Other

Execution Date: 03/29/99

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: 03/29/99

A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached?  Yes  No

09-287024

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

TERRY J. ANDERSON, ESQ. Name: NORTHROP GRUMMAN CORPORATION

Internal Address: Same As Below.

Street Address: 1840 Century Park East

City: Los Angeles State: CA ZIP: 90067-2199

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00 (\$40.00 for each item listed)

Authorized to be charged to deposit account (and any additional fees needed)

8. Deposit account number:

14-1325

04/13/1999 NGUYEN 00000120 141325 09287024

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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.

BRUCE B. BRUNDA

Name of Person Signing

Signature

Signature

Date

9

Date

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

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

Practitioner's Docket No. NORTH- 367A /A- 2216

**PATENT**

For:  U.S. and/or  Foreign Rights  
For:  U.S. Application or  
     U.S. Provisional Application  
For:  U.S. Patent  
For:  PCT Application  
By:  Inventor(s) or  Present Owner

**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,

**ASSIGNOR:**

Inventor(s) or person(s) or entity(ies) who own the invention

Russell Elbert Bade  
*(type or print name(s) of ASSIGNOR(S))*  
1731 Betty Street P.O. Box 3158  
Address  
Wrightwood, CA 92397-3158  
U.S.A.  
Nationality (or State of Incorporation)

*(if assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO, add the following)*

Recorded on \_\_\_\_\_ Reel \_\_\_\_\_  
Frame \_\_\_\_\_

hereby sells, assigns and transfers to

**ASSIGNEE:**

NORTHROP GRUMMAN CORPORATION  
*(type or print name(s) of ASSIGNEE(S))*  
1840 Century Park East  
Address  
Los Angeles, CA 90067-2199  
a Delaware corporation  
Nationality (or State of Incorporation)

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

- the entire right, title and interest
- an undivided \_\_\_\_\_ percent (\_\_\_\_\_%) 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:  
ON-SITE ENVIRONMENT MONITORING SYSTEM

Name of inventor(s) Russell Elbert Bade

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

and which is found in (37 C.F.R. § 3.21)

- (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 C.F.R. § 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney 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/ \_\_\_\_\_ / \_\_\_\_\_
- (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.

(also 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.

(Assignment of Invention [16-3]—page 2 of 3)

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 hand and seal this 29 day of March, 1999.  
Date of signing

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

Date: 03/29/99

Russell Elbert Bade  
Signature of ASSIGNOR(S) Russell Elbert Bade

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

*(if ASSIGNOR is a legal entity, complete the following information)*

\_\_\_\_\_  
*(type or print the name of the above person authorized to sign on behalf of ASSIGNOR)*

\_\_\_\_\_  
Title

**NOTE:** No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 U.S.C. § 261. Use next page if notarization is desired.

Notarization or Legalization Page Added.

(Assignment of Invention [16-3]—page 3 of 3)

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of CALIFORNIA

County of Los Angeles

On March 29 1999, before me, Melissa Stevenson, Notary Public

Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Russell Elbert Bader

Name(s) of Signer(s)

- personally known to me
- proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Melissa Stevenson  
Signature of Notary Public

**OPTIONAL**

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

**Description of Attached Document**

Title or Type of Document: ASSIGNMENT

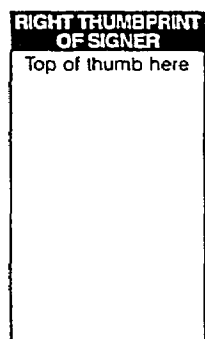
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Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer  
Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
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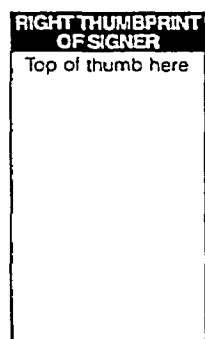


Signer Is Representing: \_\_\_\_\_

\_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer  
Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

\_\_\_\_\_