

08-30-1999

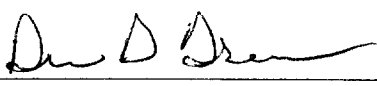


PATENTS ONLY

PATENTS ONLY

101130476

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS
Please record the attached original document or copy thereof.

1. Name of Party(ies) conveying an interest:	2. Name and Address of Party(ies) receiving an interest:
Charles Wesley Burdsall II John Alan Volk	Northrop Grumman Corporation 1840 Century Park East Los Angeles, CA 90067-2199 A Delaware Corporation
3. Description of the instrument of conveyance: ASSIGNMENT	
8-9-99	
4. This document is being filed together with a new application, the execution date of the application is: August 5, 1999 Date The title is: ADAPTIVE DEPLOYABLE RAMP FOR SUPPRESSION OF AIRCRAFT WEAPONS BAY ACOUSTIC LOADS	
5. Name and address of party to whom correspondence concerning document should be mailed: Northrop Grumman Corporation 1840 Century Park East M/S 60/110/N1-3 Los Angeles, CA 90067-2199	6. Number of applications/patents involved: 1 7. Amount of fee enclosed or authorized to be charged: \$40.00 8. Deposit account number (Attach duplicate copy of this form if paying by deposit account: 14-1325
DO NOT USE THIS SPACE	
9. Date of execution of attached document: August 5, 1999	
10. To the best of my knowledge and belief, the information contained on this coversheet is true and correct and any copy submitted is a true copy of the original document. August 9, 1999 Date	
 Bruce B. Brunda Registration No. 28,497	

1c564 U.S. PTO
09/37/97
06/10/99

Practitioner's Docket No. NORTH-376A /A- 2225 **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: Multiple Inventors

ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)

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):

<u>Charles Wesley Burdsall, II</u> <i>(type or print name of inventors)</i>	<u>8452 Cape Newbury Dr., Huntington Beach, CA</u> Address U.S. Citizen	<u>9264</u> Nationality/state incor.
--	--	---

<u>John Alan Volk</u>	<u>803 Oakglade Dr., Monrovia, CA 91016</u> U.S. Citizen	
-----------------------	---	--

hereby sells, assigns and transfers to

ASSIGNEE:

NORTHROP GRUMMAN CORPORATION

1840 Century Park East

(type or print name of ASSIGNEE)

Address

a Delaware corporation

Los Angeles, CA 90067-2199

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:

ADAPTIVE DEPLOYABLE RAMP FOR SUPPRESSION OF AIRCRAFT
WEAPONS BAY ACOUSTIC LOADS

(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 _____ / _____ / _____
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

(Assignment of Invention—Multiple Inventors [16-3.2]—page 2 of 3)

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, We have hereunto set hand and seal this _____ 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.

Charles Wesley Burdsall, II
(type name of inventor)

Charles Wesley Burdsall
Signature of INVENTOR 08/05/99

John Alan Volk

John Alan Volk 8/15/99

Notarization or Legalization Page Added.

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.

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of CALIFORNIA

County of LOS ANGELES

On AUGUST 5, 1999 before me, EVELYN SNYDER, NOTARY PUBLIC

personally appeared CHARLES WESLEY BURDSALL, II, JOHN ALAN VOLK



- 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/hers/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.

Evelyn Snyder
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

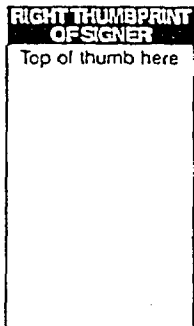
Document Date: Number of Pages:

Signer(s) Other Than Named Above:

Capacity(ies) Claimed by Signer(s)

Signer's Name:

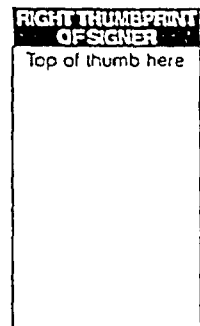
- Individual
Corporate Officer
Partner - Limited General
Attorney-in-Fact
Trustee
Guardian or Conservator
Other:



Signer Is Representing:

Signer's Name:

- Individual
Corporate Officer
Partner - Limited General
Attorney-in-Fact
Trustee
Guardian or Conservator
Other:



Signer Is Representing: