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FORM PTO 1595

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S. DEPARTMENT OF COMMERCE  
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To the Honorable Commissioner of Patents and Trademarks, Please record the attached original documents or copy thereof.

1. Name and Address of Conveying Party(ies):

Kurnun R. Vakil  
7105 Via Del Mar  
Ranchos Palos Verdes, Los Angeles County, California 90275  
Individual Citizenship: United States of America

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and Address of receiving Party(ies):

Name: Northrop Grumman Corporation  
Internal Address:  
Street Address: 1840 Century Park East  
City: Los Angeles  
State: California Zip: 90067

Additional name(s) &  
Address(es) attached?
☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: May 20, 2002

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: May 20, 2002

A. Patent Application No.(s):

B. Patent No.(s):

Additional Numbers

☐ Yes ☒ No

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

Name: Robert M. Chiaviello, Jr.  
Internal Address: BAKER BOTTS L.L.P.  
Street Address: 2001 Ross Avenue, Suite 600  
City: Dallas  
State: Texas Zip: 75201-2980

6. Total number of application and patents involved: One

7. Total Fee (37C.F.R. 3.41): \$40.00

☒ Enclosed  
☐ Authorized to be charged to deposit account

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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.*

Jay B. Johnson  
Reg. No. 38,193

Signature

June 4, 2002

Date

Total number of pages including cover sheet

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ASSIGNMENT

**WHEREAS**, I, the undersigned sole inventor, hereinafter referred to as Assignor, have invented certain new and useful improvements in METHOD AND APPARATUS FOR DRILLING COUNTERSUNK HOLES, described in an application for United States Letters Patent, executed by me on the date as stated below;

**WHEREAS**, Northrop Grumman Corporation, a Delaware corporation, having its principal place of business at 1840 Century Park East, Los Angeles, California 90067, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in, to and under said improvements and said application:

**NOW, THEREFORE**, in consideration of Assignor's obligations to Assignee, and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor has sold, assigned, transferred, and set over, and by these presents does hereby sell, assign, transfer, and set over, unto Assignee, its successors, legal representatives, and assigns, Assignor's entire right, title, and interest in, to and under said improvements, and said application and all divisions, renewals, continuations, and continuations-in-part thereof, and all United States Letters Patent which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, including the full right to claim for any such application the priority benefits of the International Convention for the Protection of Industrial Property and other priority-conferring treaties, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, divisions, continuations, continuations-in-part, renewals, and reissues thereof; and Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to said Assignee, its successors, legal representatives, and assigns, in accordance with the terms of this instrument;

Assignor hereby acknowledges at the time of making the improvements herein identified, Assignor was under an obligation to assign to Assignee, Assignor's entire right, title, and interest in, to and under said improvements;

Assignor hereby covenants that Assignor has full right to convey the interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith and that Assignee, its successors, assigns, and other legal representatives shall have the right to hold and enjoy for its and their own use and benefit, to the end of the term or terms for which such Letters Patent shall or may be granted, reissued, or extended as fully and completely as the same might or could have been held and enjoyed by Assignor had this Assignment not been made.

Assignor hereby further covenants and agrees to communicate to Assignee, its successors, legal representatives, and assigns, any and all facts known to Assignor respecting

said improvements; to promptly provide Assignor with all documents relating to said improvements, said invention, and said Letters Patent as may be known or accessible to Assignor; to testify as to the same in any interference or litigation or other legal proceedings related thereto; to sign all lawful papers, execute all extensions, continuations, continuations-in-part, divisionals, and reissue applications; and to make all rightful oaths or declarations and generally do everything possible to aid Assignee, its successors, legal representatives, and assigns in obtaining and enforcing all the rights herein conveyed for said improvements in all countries without further compensation, but at the expense of Assignee, its successors, legal representatives, and assigns.

TITLE: METHOD AND APPARATUS FOR  
DRILLING COUNTERSUNK HOLES

Signature of Inventor: Kumun R. Vakil

Inventor's Name: Kumun R. Vakil

Residence (City, County, State) Rancho Palos Verdes, Los Angeles County, California

Date: May 20, 2002

Date Application Executed: May 20, 2002