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To the honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

jc612 U.S. PTO
09/310222

1. Name of conveying party(ies):

1. David J. Tilles

2. Name and address of receiving party(ies):

Name: Northrop Grumman Corporation

Address: Law Department, IPS, MS A440
P.O. Box 17319
Baltimore, MD 21203-7319

Additional names of conveying party(ies) attached? Yes No

Additional name(s) & addresses are attached? Yes No

3. Nature of Conveyance:

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

Execution Date(s): (1) 04/27/1999,

4. Application number(s) or patent numbers(s):

This Assignment is being filed together with a new application.

09/310222

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: **Walter G. Sutcliff**

Address: Northrop Grumman Corporation
Law Department, IPS, MS A440
P.O. Box 17319
Baltimore, MD 21203-7319

6. Total number of applications/patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00 ✓

Enclosed

Authorized to be charged to deposit account ✓

8. Deposit Account Number: 14-1325 ✓

DO NOT USE THIS SPACE

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.

Joyce Vaughn
Signature

5/12/99
Date

Joyce Vaughn Name of Person Signing

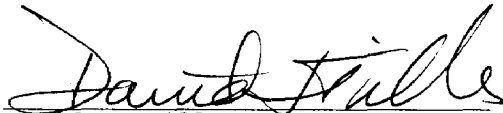
Total number of pages including cover sheet, attachments, and document 2

OMB No. 0651-0011 (Exp. 4/94)

ASSIGNMENT SOLE

In accordance with existing Employee Intellectual Property Agreement(s) and/or other undertaking(s) entered into for good and valuable consideration, receipt of which is hereby acknowledged, I, **David J. Tilles**, of Woodstock, Maryland 21163, hereby sell and assign to **NORTHROP GRUMMAN CORPORATION**, a Corporation organized and existing under the laws of Delaware, U.S.A., having its principal place of business at 1840 Century Park East, Los Angeles, California 90067-2199, U.S.A., its successors, assigns, nominees, or other legal representatives, the entire right, title and interest in and to the invention in **ROBOTIC CONTAINERIZATION SYSTEM**, invented by me and the application for United States patent therefor, executed on the same day as the assignment is executed and all original and reissued patents granted therefor, and all divisions and continuations thereof, including the subjects-matter of any and all claims which may be obtained in every such patent, and the right to apply for and obtain patents and Utility Model Registrations in countries foreign to the United States, and in and to any Letters Patent or Utility Model Registration which may be granted thereon in such foreign countries, and authorize and request 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 the said Letters Patent or Utility Model Registration to the said **NORTHROP GRUMMAN CORPORATION** its successors, assigns, nominees or other legal representatives, as assignee of the entire interest, and covenant that I have full right to convey the entire interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith, and agree that I will communicate to said Corporation, its successors, assigns, nominees or other legal representatives, all facts known to me respecting said invention, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and do all lawful acts requisite for the application for such divisional, continuing or reissue applications, or the procuring thereof, and that if and when said **NORTHROP GRUMMAN CORPORATION** its successors, assigns, nominees or other legal representatives desire to file a disclaimer relating thereto, I will, upon request, sign all lawful papers requisite for the filing of such disclaimer, and I further covenant and agree that I will, at any time upon request, do everything legally possible to aid said Corporation, its successors, assigns, nominees or other legal representatives, either in its or their own name, to apply for, obtain and enforce proper patent and/or Utility Model protection for said invention in all countries, all without further consideration but at the expense of said **NORTHROP GRUMMAN CORPORATION** its successors, assigns, nominees or other legal representatives.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 27th day of April, 1999.


David J. Tilles