

04-04-2005



Atty. Docket No.: 1215-0520PUS2(000624-078)

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**RECORDATION FORM COVER SHEET
PATENTS ONLY**

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

1. Name of conveying party(ies):

[FAMILY NAME (ALL CAPS), Given Name]

MURPHY, John H.,
,
,
,

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: **CA** ZIP: **90067**Country: **USA** Postal Code:Additional name(s) & address(es) attached? ☐ YES ☒ NO

3. Nature of conveyance:

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

Execution Date: **March 22, 2005**

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: **March 22, 2005**

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: **BIRCH, STEWART, KOLASCH & BIRCH, LLP**Street Address: **P.O. BOX 747**City: **FALLS CHURCH** State: **VA** ZIP: **22040-0747**Country: **USA**

6. Total No. of applications/patents involved:

7. **one (1)**7. Total fee (37 C.F.R. § 3.41): **\$40.00**

- ☒ Enclosed
☒ Authorized to be charged to deposit account,
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8. Deposit account number: **02-2448**

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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.*Michael R. Cammarata, #39,491

Name of Person Signing/Reg. No.

Signature

March 23, 2005

Date

Total number of pages including cover sheet, attachments, and document: **Two (2)**

WLG/mpe

03/24/2005 SHIMSS1 00000058 11086335

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**PATENT
REEL: 016407 FRAME: 0329**11/29/14 U.S. PTO
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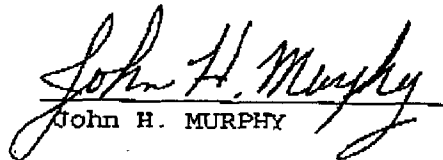
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1215-0520PUS2(000624-078)

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, John H. MURPHY, of Ellicott City, Maryland 21042, hereby sell and assign to **NORTROP 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 SPACE BASED CHANGE DETECTION USING COMMON GROUND TRACK CONSTELLATIONS CAPABLE OF BEING CONFIGURED FOR MULTI-MANIFEST LAUNCHES, 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 **NORTROP 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 **NORTROP 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 **NORTROP GRUMMAN CORPORATION**, its successors, assigns, nominees or other legal representatives.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 22 day of March, 2005.


John H. MURPHY