

4/28/05

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PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):Henry Gasbarro
Brian Bieber
Jay Frederking
Joseph Edwin CarpenterExecution Date(s) April 26, 2005 (all)Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

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

Internal Address: _____

Street Address: 1840 Century Park East, M/S 30/110/31City: Los AngelesState: CaliforniaCountry: USA Zip: 90067-2199Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Christopher P. HarrisInternal Address: Tarolli, Sundheim, Covell & Tummino, LLPStreet Address: 526 Superior Avenue, Suite 1111City: ClevelandState: Ohio Zip: 44114-1400Phone Number: (216) 621-2234 ext. 104Fax Number: (216) 621-4072Email Address: charris@Tarolli.com**6. Total number of applications and patents involved:**

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Informationa. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number _____

Authorized User Name Thomas L. Tarolli**9. Signature:**Christopher P. Harris
Signature4/28/05
DateChristopher P. Harris, Reg. No. 43,660
Name of Person SigningTotal number of pages including cover
sheet, attachments, and documents:

3

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

05/02/2005 HTECKLU1 00000002 11116836

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40.00 DP

PATENT
REEL: 016523 FRAME: 0300

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and

WHEREAS, NORTHROP GRUMMAN CORPORATION, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 1840 Century Park East, M/S 30/110/31, Los Angeles, California, 90067, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said NORTHROP GRUMMAN CORPORATION, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the said NORTHROP GRUMMAN CORPORATION, as assignee of my entire right, title and interest.

I also hereby sell and assign to NORTHROP GRUMMAN CORPORATION, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including but not limited to, the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said NORTHROP GRUMMAN CORPORATION, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said NORTHROP GRUMMAN CORPORATION, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

TITLE OF INVENTION	SYSTEMS AND METHODS FOR CONDITION AND LOCATION MONITORING OF MOBILE ENTITIES
SIGNATURE OF INVENTOR AND NAME	HENRY GASBARRO <i>Henry Gasbarro</i>
DATE	04-26-05
RESIDENCE (CITY AND STATE)	MARINA DEL RAY, CALIFORNIA
DATE APPLICATION EXECUTED	04-26-05

TITLE OF INVENTION	SYSTEMS AND METHODS FOR CONDITION AND LOCATION MONITORING OF MOBILE ENTITIES
SIGNATURE OF INVENTOR AND NAME	BRIAN BIEBER
DATE	<i>B. Bieber</i> 04-26-05
RESIDENCE (CITY AND STATE)	REDONDO BEACH, CALIFORNIA
DATE APPLICATION EXECUTED	04-26-05

TITLE OF INVENTION	SYSTEMS AND METHODS FOR CONDITION AND LOCATION MONITORING OF MOBILE ENTITIES
SIGNATURE OF INVENTOR AND NAME	JAY FREDERKING <i>Jay Fredericking</i>
DATE	04-26-05
RESIDENCE (CITY AND STATE)	IRVINE, CALIFORNIA
DATE APPLICATION EXECUTED	04-26-05

TITLE OF INVENTION	SYSTEMS AND METHODS FOR CONDITION AND LOCATION MONITORING OF MOBILE ENTITIES
SIGNATURE OF INVENTOR AND NAME	JOSEPH EDWIN CARPENTER <i>Joseph Edwin Carpenter</i>
DATE	04-26-05
RESIDENCE (CITY AND STATE)	LONG BEACH, CALIFORNIA
DATE APPLICATION EXECUTED	04-26-05