

10-11-2006

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To the Director of the U.S. Patent &amp; Trademark Office

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documents or the new address(es) below.

## 1. Name of conveying party(ies)

Ian S. ROBINSON

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance/Execution Date(s):

Execution Date(s) October 2, 2006

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

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

Name: RAYTHEON COMPANY

Internal Address: \_\_\_\_\_

Office of the General Counsel

Street Address: \_\_\_\_\_

870 Winter StreetCity: WalthamState: MassachusettsCountry: US Zip: 02451Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

A. Patent Application No.(s)

☒ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Raytheon CompanyInternal Address: EO/E04/N119Intellectual Property & LicensingStreet Address: 2000 East El Segundo BoulevardP.O. Box 902City: El SegundoState: CA Zip: 90245-0902Phone Number: 310-647-2577Fax Number: 310-647-2616

Email Address: \_\_\_\_\_

6. Total number of applications and patents involved: one (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 Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_b. Deposit Account Number 50-0616Authorized User Name Leonard A. Alkov9. Signature: Leonard A. Alkov

Signature

Date

Leonard A. Alkov

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
 Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

10/10/2006 NJANA1 00000082-500616 11542494

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**ASSIGNMENT**

**PATENT**

**Attorney Docket No.: PD-05W237**

**Page 1 of 2**

WHEREAS, I, as below named sole inventor of the city and state as stated below next to my name, have invented a:

**SYSTEM AND METHOD FOR OBSERVING A SATELLITE  
USING A SATELLITE IN RETROGRADE ORBIT**

for which application for Letters Patent of the United States has been executed by me, and

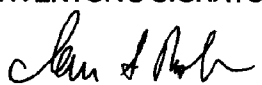
WHEREAS, RAYTHEON COMPANY (hereinafter referred to as RAYTHEON), a Delaware corporation, having its principal place of business in Waltham, Massachusetts, is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world;

NOW, THEREFORE, in consideration of the obligations voluntarily assumed by me and set forth in an invention agreement between me and my employer, effective the date as stated below next to my name, and other good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign and transfer to RAYTHEON, its successors, assigns or other legal representatives, the entire and exclusive right, title and interest in and to said invention invented by me, to said application and any and all applications which are continuations, continuations-in-part, divisions or substitutes of said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world on any of said applications and to any and all reexaminations, reissues, renewals or extensions of said Letters Patent in the United States and throughout the world for the full term or terms for which said Letters patent may be granted in the United States and throughout the world; authorize and request the Director of the United States Patent and Trademark Office and all foreign countries to issue all such Letters Patent to said RAYTHEON, its successors, assigns or other legal representatives; covenant that no assignment, sale, agreement, transfer or encumbrance has been, or will be, made or entered into which would conflict with this assignment, sale and transfer; and agree to communicate to RAYTHEON, its successors, assigns or other legal representatives, upon request and at no cost or expense to me, any facts known by me respecting said invention, do all lawful acts, including the execution and delivery of all papers and proper oaths and giving of testimony that is deemed necessary or desirable by RAYTHEON, its successors, assigns or other legal representatives with regard to said invention for protecting, obtaining, maintaining and enforcing any and all of said Letters Patent in the United States and throughout the world for said invention and for perfecting, affirming, recording and maintaining the title of RAYTHEON, its successors, assigns or other legal representatives, and generally cooperate to the fullest extent in all matters pertaining to said invention, and any and all of said Letters Patent and the title thereto in RAYTHEON, its successors, assigns or other legal representatives.

**RAYTHEON COMPANY**  
Intellectual Property & Licensing,  
Bldg. EO/E04/N119  
P. O. Box 902  
2000 East El Segundo Boulevard  
El Segundo California 90245-

Title: SYSTEM AND METHOD FOR OBSERVING A SATELLITE USING A SATELLITE IN RETROGRADE ORBIT

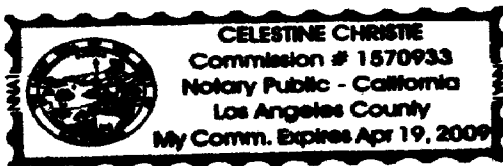
IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF JOINT INVENTOR <b>Ian S. ROBINSON</b>	INVENTOR'S SIGNATURE 	DATE SIGNED <b>10/2/2006</b>
RESIDENCE (CITY AND STATE) <b>Redondo Beach, California</b>		INVENTION AGREEMENT DATE <b>February 2, 2004</b>

STATE OF CALIFORNIA )  
COUNTY OF Los Angeles ) SS:

On October 2, 2006, before me, Celestine Christie, a  
Notary Public in and for said State, personally appeared Ian S. Robinson  
☐ personally known to me or ☒ proved to me on the basis of satisfactory evidence to be the person whose  
name is subscribed to the within instrument and acknowledged to me that he executed the same in his  
authorized capacity, and that by his signature on the instrument the person, executed the instrument.

WITNESS my hand and official seal.

Notary Public: 

[Seal]