

03-19-2001

FORM PTO-1618A  
Expires 06/30/99  
OMB 0651-0027



U.S. Department of Commerce  
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TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

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- New
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Document ID # \_\_\_\_\_
- Correction of PTO Error  
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#### Conveyance Type

- Assignment  License
  - Security Agreement  Nunc Pro Tunc Assignment
  - Merger  Change of Name
  - Other \_\_\_\_\_
- Effective Date  
Month Day Year  
\_\_\_\_\_

#### Conveying Party

Mark if additional names of conveying parties attached

Execution Date  
Month Day Year

Name HRB Systems, Inc.

12311998

Formerly \_\_\_\_\_

- Individual  General Partnership  Limited Partnership  Corporation  Association
- Other \_\_\_\_\_

Citizenship/State of Incorporation/Organization Delaware

#### Receiving Party

Mark if additional names of receiving parties attached

Name Orbital Sciences Corporation

DBA/AKA/TA \_\_\_\_\_

Composed of \_\_\_\_\_

Address (line 1) 21700 Atlantic Boulevard

Address (line 2) \_\_\_\_\_

Address (line 3) Dulles VA / US 20166  
City State/Country Zip Code

- Individual  General Partnership  Limited Partnership  Corporation  Association
- Other \_\_\_\_\_

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative should be attached. (Designation must be a separate document from Assignment.)

Citizenship/State of Incorporation/Organization Delaware

#### FOR OFFICE USE ONLY

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TRADEMARK  
REEL: 002253 FRAME: 0097

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**Correspondent Name and Address**

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

#

**Trademark Application Number(s) or Registration Number(s)**

Mark if additional numbers attached

Enter either the Trademark Application Number or the Registration Number (DO NOT ENTER BOTH numbers for the same property).

Trademark Application Number(s)

Registration Number(s)

**Number of Properties**

Enter the total number of properties involved.

#

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41):

\$

Method of Payment:

Enclosed  Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: #

Authorization to charge additional fees: Yes  No

**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. Charges to deposit account are authorized, as indicated herein.

Mariann R. Murphy

Name of Person Signing

Signature

2/9/01

Date Signed

ASSIGNMENT OF PATENTS, PATENT APPLICATIONS, TRADEMARKS, COPYRIGHTS  
AND MASKWORKS

WHEREAS, HRB Systems, Inc., a corporation organized and existing under the laws of the State of Delaware (the "Seller"), having a place of business at Science Park Road, State College, Pennsylvania, is the owner of the patents, patent applications, copyrights and maskworks identified on Exhibit A attached hereto and the inventions disclosed and claimed therein; and

WHEREAS, Orbital Sciences Corporation, a corporation organized and existing under the laws of the State of Delaware (the "Buyer"), having a place of business at 20301 Century Boulevard, Germantown, Maryland, is desirous of acquiring said patents, patent applications and the inventions disclosed and claimed therein;

NOW, THEREFORE, pursuant to the terms of the Acquisition Agreement dated as of December 4, 1998 (the "Acquisition Agreement") by and between the Buyer and the Seller, and in consideration of good and valuable consideration as recited in the Acquisition Agreement, does hereby assign, sell and transfer unto the Buyer, all right, title and interest in and to the said patents, patent applications, trademarks and the goodwill associated therewith, copyrights and maskworks identified on Exhibit A and the inventions disclosed and claimed therein, together with the right to sue and recover for, and the right to profits or damages due or accrued arising out of or in connection with, any and all past, present or future infringements of said patents, patent applications (and any patent(s) issuing with respect thereto), trademarks and the goodwill associated therewith, copyrights, maskworks or inventions. Notwithstanding anything herein to the contrary, this Assignment is and shall remain subject to the rights and licenses retained by or granted to the Seller and certain affiliates of the Seller pursuant to the Acquisition Agreement and Schedules thereto.

DS1 451831.1

IN WITNESS WHEREOF, each of the Seller and the Buyer by its duly authorized officer, has executed this Assignment, as an instrument under seal as of this 31st day of December, 1998.

HRB SYSTEMS, INC.

By: Michael C. Eberhardt  
Michael C. Eberhardt  
Vice President

ORBITAL SCIENCES CORPORATION

By: \_\_\_\_\_  
Name:  
Title:

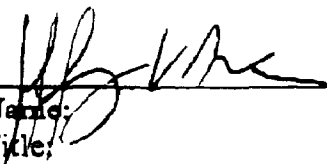
DS1.451031 |

IN WITNESS WHEREOF, each of the Seller and the Buyer by its duly authorized officer, has executed this Assignment, as an instrument under seal as of this 31st day of December, 1998

HRB SYSTEMS, INC.

By: \_\_\_\_\_  
Name:  
Title:

ORBITAL SCIENCES CORPORATION

By:  \_\_\_\_\_  
Name:  
Title:

DSI.451831.1

**EXHIBIT A TO ASSIGNMENT OF PATENTS, PATENT APPLICATIONS, TRADEMARKS, COPYRIGHTS AND MASKWORKS**

**PATENTS**

✓ VEHICLE TRACKING AND SECURITY SYSTEM 5,223,844 Issued 06/29/93\*

The 844' patent is under currently under Reexamination by the PTO under serial number 09/004,974 filed April 23, 1998.

✓ GPS TRIGGERED AUTOMATIC ANNUNCIATOR FOR VEHICLES 5,808,565 Issued 09/15/98

**PATENT APPLICATIONS**

DIFFERENTIAL GPS BASE TRAFFIC SIGNAL PREEMPTION Serial # 09177,783 Filed 10/22/98

**TRADEMARKS**

SMARTSTOP Unregistered -----

INFOTRACK US Registration 2,139,427 Issued 02/24/98

SMARTKIOSK US Registration 2,136,126 Issued 02/10/98

SMARTTRACK US Application 74/294,643 Filed 07/16/92

SMARTTRACK JR. US Application 75/081,396 Filed 04/01/96

TMS US Application 74/707,541 Filed 07/26/95

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SMARTTRACK Registration TXu 729-986 Issued 08/21/95

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