

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
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<b>NATURE OF CONVEYANCE:</b>	RELEASE BY SECURED PARTY
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<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Wells Fargo Foothill, Inc., formerly known as Foothill Capital Corporation	07/08/2003

<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Orbital Sciences Corporation
<b>Street Address:</b>	21700 Atlantic Boulevard
<b>City:</b>	Dulles
<b>State/Country:</b>	VIRGINIA
<b>Postal Code:</b>	20166

**PROPERTY NUMBERS Total: 26**

Property Type	Number
Patent Number:	6064319
Patent Number:	5917433
Patent Number:	5907582
Patent Number:	5970085
Patent Number:	6061387
Patent Number:	5834923
Patent Number:	5768040
Patent Number:	5546632
Patent Number:	5806801
Patent Number:	5465608
Patent Number:	5522569
Patent Number:	5977932
Patent Number:	5587719
Patent Number:	5681011
Patent Number:	5317275

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Patent Number:	5390606
Patent Number:	5535502
Patent Number:	5199672
Patent Number:	4939438
Patent Number:	4901949
Patent Number:	4799140
Patent Number:	4789118
Patent Number:	4771998
Patent Number:	6094427
Patent Number:	5808565
Patent Number:	5223844

**CORRESPONDENCE DATA**

Fax Number: (703)610-6200  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
Phone: 703-610-6100  
Email: boxip@hhlaw.com  
Correspondent Name: Valerie Brennan, Hogan & Hartson LLP  
Address Line 1: 8300 Greensboro Drive, Suite 1100  
Address Line 2: Box IP  
Address Line 4: McLean, VIRGINIA 22102

ATTORNEY DOCKET NUMBER:	66878.0062
NAME OF SUBMITTER:	Valerie Brennan

Total Attachments: 3  
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source=Atlanta\_patent#page2.tif  
source=Atlanta\_patent#page3.tif

**U.S. PATENTS RELEASE OF SECURITY INTEREST**

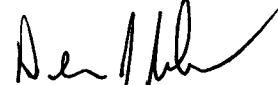
As of the date hereof, the undersigned Wells Fargo Foothill, Inc., formerly known as Foothill Capital Corporation, as Agent (the "Secured Party") has not assigned or otherwise disposed of its security interest in the issued patents of Orbital Sciences Corporation (the "Debtor"), including those listed on the attached Schedule A (the "Patents"), which security interest was filed with the United States Patent & Trademark Office on March 9, 2002 at Reel 012729 Frame 0899 (the "Agreement").

The Secured Party hereby releases for the benefit of the Debtor its security interest in the Patents.

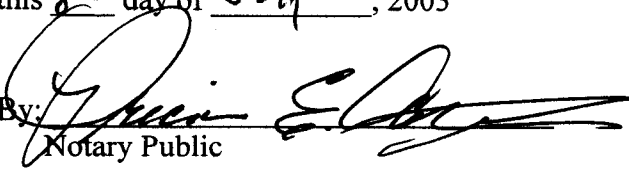
Dated as of the 8<sup>th</sup> day of July, 2003.

Secured Party:

WELLS FARGO FOOHILL, INC., F/K/A  
FOOTHILL CAPITAL CORPORATION, AS  
AGENT

By:   
Name: Dennis J. Rebman  
Title: Vice President

Sworn to and subscribed before me  
this 8<sup>th</sup> day of July, 2003

By:   
Notary Public

My Commission Expires:

April 13, 2006

## SCHEDULE A

### Orbital Sciences Corporation

#### U.S. Patents

#### Issued Patents

Description	Patent No.	Issue Date
METHOD AND SYSTEM FOR REGULATING SWITCHING OF A TRAFFIC LIGHT	6064319	5/16/00
COMMUNICATION SYSTEM HANDOFF OPERATION COMBINING TURBO CODING AND SOFT HANDOFF TECHNIQUES	5978365	11/2/99
ASSET MONITORING SYSTEM AND ASSOCIATED METHOD	5917433	6/29/99
SYSTEM FOR TURBO-CODED SATELLITE DIGITAL AUDIO BROADCASTING	5907582	5/25/99
METHOD AND RECEIVER FOR CODED SATELLITE DIGITAL AUDIO BROADCASTING	5970085	10/19/99
METHOD AND SYSTEM FOR TURBO-CODED SATELLITE DIGITAL AUDIO BROADCASTING	6061387	5/9/00
BATTERY CHARGE CONTROL METHOD	5834923	11/10/98
WIDE FIELD-OF-VIEW IMAGING SPECTROMETER	5768040	6/16/98
SHEAR VISCOUS DAMPED HINGE	5546632	8/20/96
METHOD AND SYSTEM FOR FORMATION KEEPING BETWEEN ORBITING SPACECRAFT BY VARYING THEIR BALLISTIC COEFFICIENTS	5806801	9/15/98
SAW VAPOR SENSOR APPARATUS AND MULTICOMPONENT SIGNAL PROCESSING	5465608	11/14/95
SATELLITE HAVING A STACKABLE CONFIGURATION	5522569	6/4/96
SELF-DEPLOYING HELICAL STRUCTURE	5977932	11/2/99
AXIALLY ARRAYED HELICAL ANTENNA	5587719	12/24/96
METHOD FOR INJECTING PAYLOADS INTO ORBIT	5681011	10/28/97
CONDUCTANCE MEASUREMENT CIRCUIT WITH WIDE DYNAMIC RANGE	5317275	5/31/94
FRANGIBLE JOINT SEPARATION SYSTEM	5390606	2/21/95
METHOD FOR MAKING AN EXPLOSIVE SEPARATION SYSTEM	5535502	7/16/96
METHOD AND APPARATUS FOR DEPLOYING A SATELLITE NETWORK	5199672	4/6/93
RELAY CONTROL ASSEMBLY	4939438	7/3/90
ROCKET-POWERED, AIR-DEPLOYED, LIFT-ASSISTED BOOSTER VEHICLE FOR ORBITAL, SUPRAORBITAL AND SUBORBITAL FLIGHT	4901949	2/20/90
MAJORITY VOTE SEQUENCER	4799140	1/17/89
PAD APPARATUS FOR SUPPORTING A PAYLOAD IN A CRADLE APPARATUS OF A SPACE VEHICLE	4789118	12/6/88
MOBILE BUILDUP APPARATUS FOR TRANSPORTING, SUPPORTING AND PROTECTING SPACE VEHICLE PAYLOADS	4771998	9/20/88
COMMUNICATION SYSTEM HANDOFF OPERATION COMBINING TURBO CODING AND SOFT HANDOFF TECHNIQUES	6094427	7/25/00
GPS TRIGGERED AUTOMATIC ANNUNCIATOR FOR VEHICLES	5808565	9/15/98
VEHICLE TRACKING AND SECURITY SYSTEM	5223844	6/29/93
	5808565	9/15/98
	5721558	2/24/98

Description	Patent No.	Issue Date
	5715573	2/10/98
	5668565	9/16/97
	5223844	6/29/93
	4776539	10/11/98
	4685029	8/4/87
	5455423	10/3/95
	5159277	10/27/92
	4369476	1/18/83
	4300173	11/10/81
	5011243	4/30/91
	4888714	12/19/89
	4852955	8/1/89
	4773757	9/27/88
	4758088	7/19/88
	4742329	5/3/88
	4657390	4/14/87
	4640617	2/3/87
	4591266	5/27/86
	4556316	12/3/85
	4544272	10/1/85
	4538910	9/3/85
	4537508	8/27/85
	RE32912	4/25/89

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