

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Robert M. Zubrin	03/19/2007
RECEIVING PARTY DATA	
Name:	Pioneer Astronautics
Street Address:	11111 West 8th Avenue
Internal Address:	Unit A
City:	Lakewood
State/Country:	COLORADO
Postal Code:	80215
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11684129
CORRESPONDENCE DATA	
Fax Number:	(303)268-0065
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	303-260-0066
Email:	sdevlin@sbiplaw.com
Correspondent Name:	Swanson & Bratschun, L.L.C.
Address Line 1:	1745 Shea Cente Drive
Address Line 2:	Suite 330
Address Line 4:	Highlands Ranch, COLORADO 80129
ATTORNEY DOCKET NUMBER:	33462/US/2/CON
NAME OF SUBMITTER:	Paul J. Prendergast
Total Attachments: 1 source=ASSIGNMENT#page1.tif	

CH \$40.00 11684129

500249095

PATENT
REEL: 019086 FRAME: 0707

ASSIGNMENT

WHEREAS, the undersigned inventor(s) (referred to, collectively, if more than one, as "Assignor") have made an invention entitled NITROUS OXIDE BASED EXPLOSIVES AND METHODS FOR MAKING SAME for which an application for United States Letters Patent was filed on March 9, 2007 as Application Serial No. 11/684,129, and

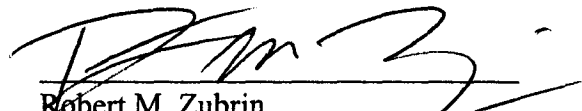
WHEREAS, Pioneer Astronautics, a Colorado corporation ("Assignee") having a place of business at 11111 West 8th Avenue, Unit A, Lakewood, Colorado 80215, desires to acquire all right, title and interest in and to the above identified invention and application;

NOW, THEREFORE, Assignor, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, does hereby sell, assign, convey and transfer unto Assignee all right, title and interest in and to the above identified invention and application, together with all corresponding foreign applications and patents which may be filed thereon, including the right to claim priority from the above identified United States application; and Assignor hereby agrees that Assignor will sign all lawful papers, including, without limitation, all divisional, continuation, renewal, extension and reissue applications, and make all rightful oaths in execution thereof, and will generally do everything possible to aid Assignee, its successors, assigns and nominees to obtain and enforce proper protection for the invention in all countries, this obligation to be binding upon Assignor (each and severally, if more than one) and upon Assignor's personal representative or other legal successor.

IN TESTIMONY WHEREOF, the undersigned Assignor (and each of them, if more than one) has signed below.

Date: March 19, 2007

Address:


Robert M. Zubrin
4446 Parmalee Gulch Road
Indian Hills, Colorado 80454

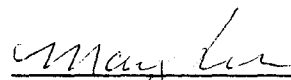
STATE OF Colorado)

COUNTY OF Jefferson) ss.

The foregoing instrument was acknowledged before me this 19th day of March, 2007, by Robert M. Zubrin.

Witness my hand and official seal.

My commission expires: 9/28/09


Notary Public

S:\ClientFolders\Pioneer Astronautics\33462USCON\Assignment.doc

