

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI171529

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
Special Aerospace Services, LLC	04/16/2024
RECEIVING PARTY DATA	
Company Name:	RGA Reinsurance Company
Street Address:	16600 Swingley Ridge Road
City:	Chesterfield
State/Country:	MISSOURI
Postal Code:	63017
PROPERTY NUMBERS Total: 7	
Property Type	Number
Patent Number:	11149691
Patent Number:	11655715
Patent Number:	11708804
Patent Number:	11846191
Application Number:	18211277
Application Number:	18542697
Application Number:	63521521
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	8004945225
Email:	ipteam@cogencyglobal.com
Correspondent Name:	Stewart Walsh
Address Line 1:	1025 Connecticut Ave NW, Suite 712
Address Line 2:	Cogency Global Inc.
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20036
ATTORNEY DOCKET NUMBER:	2332495 PAT SAS
NAME OF SUBMITTER:	Andrew Hackett
SIGNATURE:	Andrew Hackett
DATE SIGNED:	04/17/2024

Total Attachments: 4

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NOTICE
OF
GRANT OF SECURITY INTEREST
IN
PATENTS

United States Patent and Trademark Office

Ladies and Gentlemen:

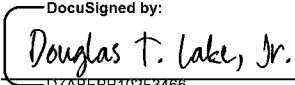
Please be advised that pursuant to the Security and Pledge Agreement dated as of April 16, 2024 (as the same may be amended, modified, extended or restated from time to time, the “Agreement”) by and among the Obligors party thereto (each an “Obligor” and collectively, the “Obligors”) and RGA Reinsurance Company, as administrative agent (the “Administrative Agent”) for the holders of the Obligations referenced therein, the undersigned Obligor has granted a continuing security interest in, and a right to set off against, any and all right, title and interest of such Obligor in and to the patents and patent applications set forth on Schedule 1 hereto to the Administrative Agent for the ratable benefit of the holders of the Obligations.

The undersigned Obligor and the Administrative Agent, on behalf of the holders of the Obligations, hereby acknowledge and agree that the security interest in the foregoing patents and patent applications (i) may only be terminated in accordance with the terms of the Agreement and (ii) is not to be construed as an assignment of any patent or patent application.

[signatures appear on next page]

Very truly yours,

SPECIAL AEROSPACE SERVICES, LLC

DocuSigned by:
By: 
Name: Douglas T. Lake, Jr.
Title: President

Acknowledged and Accepted:

RGA REINSURANCE COMPANY,
as Administrative Agent

By: Brett Parr

Name: Brett Parr

Title: Managing Director, Private Debt &
Equity Investments

Schedule I

**Special Aerospace Services, LLC
(Colorado Limited Liability Company)**

U.S. Patent

Patents

Title	Patent No.	Grant Date
STAGED COMBUSTION LIQUID ROCKET ENGINE CYCLE WITH THE TURBOPUMP UNIT AND PREBURNER INTEGRATED INTO THE STRUCTURE OF THE COMBUSTION CHAMBER	US11149691B2	2021-10-19
SURFACE TOPOLOGY MANIPULATION FOR PERFORMANCE ENHANCEMENT OF ADDITIVELY MANUFACTURED FLUID-INTERACTING COMPONENTS	US11655715B2	2023-05-23
STAGED COMBUSTION LIQUID ROCKET ENGINE CYCLE WITH THE TURBOPUMP UNIT AND PREBURNER INTEGRATED INTO THE STRUCTURE OF THE COMBUSTION CHAMBER	US11708804B2	2023-07-25
SURFACE TOPOLOGY MANIPULATION FOR PERFORMANCE ENCHANCEMENT OF ADDITIVELY MANUFACTURED FLUID-INTERACTING COMPONENTS	US11846191B2	2023-12-19

Patent Applications

Title	Appl. No.	Appl. Date
STAGED COMBUSTION LIQUID ROCKET ENGINE CYCLE WITH THE TURBOPUMP UNIT AND PREBURNER INTEGRATED INTO THE STRUCTURE OF THE COMBUSTION CHAMBER	US18211277	2023-06-18
SURFACE TOPOLOGY MANIPULATION FOR PERFORMANCE ENHANCEMENT OF ADDITIVELY MANUFACTURED FLUID-INTERACTING COMPONENTS	18/542,697	2023-12-17
UNIVERSAL AUTOCOUPLER FOR IN-SPACE, LUNAR, LIFE SUPPORT AND LAUNCH OPERATIONS	63/521,521	2023-06-16