

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7010003

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST	
CONVEYING PARTY DATA		
Name		Execution Date
MIDCAP BUSINESS CREDIT LLC		10/14/2021
RECEIVING PARTY DATA		
Name:	EMD ACQUISITION LLC	
Street Address:	560 W. LAKE MEAD PARKWAY	
City:	HENDERSON	
State/Country:	NEVADA	
Postal Code:	89015	
PROPERTY NUMBERS Total: 32		
Property Type	Number	
Patent Number:	6483207	
Patent Number:	6901845	
Patent Number:	6907730	
Patent Number:	7075292	
Patent Number:	7692339	
Patent Number:	8671677	
Patent Number:	8752375	
Patent Number:	10718558	
Patent Number:	10775091	
Patent Number:	8952635	
Patent Number:	8011183	
Patent Number:	6549408	
Patent Number:	6550255	
Patent Number:	7055321	
Patent Number:	7073567	
Patent Number:	10544978	
Patent Number:	7171811	
Patent Number:	9587873	
Patent Number:	6701721	
Patent Number:	10329822	

PATENT

Property Type	Number
Patent Number:	8713934
Patent Number:	6422025
Patent Number:	8615993
Application Number:	60345472
Application Number:	61241081
Application Number:	60954824
Application Number:	61545615
Application Number:	61677528
Application Number:	60717319
Application Number:	61255525
Application Number:	61616021
Application Number:	61674588

CORRESPONDENCE DATA

Fax Number: (212)370-7889

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.

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Address Line 4: NEW YORK, NEW YORK 10105

ATTORNEY DOCKET NUMBER:	15221.042
NAME OF SUBMITTER:	ATUL R. SINGH
SIGNATURE:	/Atul R. Singh/
DATE SIGNED:	11/05/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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RELEASE OF PATENT AND TRADEMARK SECURITY AGREEMENT

This RELEASE OF PATENT AND TRADEMARK SECURITY AGREEMENT, dated as of October 14, 2021 ("Release") is executed by MidCap Business Credit LLC, a Texas limited liability company (the "Secured Party"), having a business location at 433 South Main Street, West Hartford, Connecticut 06110, as secured party against the interests of EMD Acquisition LLC, a Nevada limited liability company, having an address at 560 W. Lake Mead Parkway, Henderson, NV 89015 (the "Debtor"), including the Debtor's United States patents and patent applications and trademarks and related intellectual property listed and described in Exhibit A and Exhibit B, respectively, as included in the Security Agreement described below and recorded with the United States Patent and Trademark Office at Reel 054689, Frame 0619 and Reel 7139, Frame 0659 on December 18, 2020.

WHEREAS, pursuant to that certain Patent and Trademark Security Agreement dated as of December 16, 2020, made by Debtor in favor of Secured Party (the "Security Agreement"), a security interest was granted by Debtor to the Secured Party in certain collateral, including the intellectual property described above as well as certain foreign intellectual property (the "Security Interest");

NOW THEREFORE, the Secured Party does hereby terminate the Security Agreement and terminates, releases and discharges any and all liens and security interests it may have against such intellectual property, including the Security Interest pursuant to the Security Agreement.

IN WITNESS WHEREOF, Secured Party has executed this Release of Patent and Trademark Security Agreement, to take effect as of the date first set forth above.

MIDCAP BUSINESS CREDIT LLC

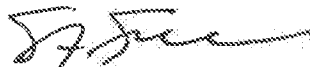
By: 
Name: Steven A. Samson
Title: President

EXHIBIT A
UNITED STATES ISSUED PATENTS

Patent Number	Filing Date	Issue Date	Title
6,483,207	5/23/2001	11/19/2002	Auto-Centering Linear Motor
6,901,845	10/18/2002	6/7/2005	Porous Restrictor for Gas Bearings
6,907,730	6/17/2002	6/21/2005	Displacer and Seal Assembly for Stirling Cycle Machines
7,075,292	12/7/2004	7/11/2006	Method & Apparatus for Determining & Controlling Piston Position in A Free Piston Machine
7,692,339	2/5/2008	4/6/2010	Stirling Cycle Engine
8,671,677	7/1/2010	3/18/2014	Gamma Type Free-Piston Stirling Machine Configuration
8,752,375	8/16/2011	6/17/2004	Free-Piston Machine in an Opposed Piston Gamma Configuration Having Improved Stability, Efficiency and Control
10,718,558	12/11/2017	7/21/2020	Independent Auxiliary Thermosiphon for Inexpensively Extending Active Cooling to Additional Freezer Interior Walls
10,775,091	4/2/2018	9/15/2020	Energy Efficient Biological Freezer with Vial Management System
8,952,635	10/9/2012	2/10/2015	Method for Use in Controlling Free Piston Stirling Coolers and Heat Pumps Driven by a Linear Alternator
8,011,183	7/25/2008	9/6/2011	Resonant Stator Balancing of Free-Piston Machine Coupled to Linear Motor or Alternator
6,549,408	11/16/2001	4/15/2003	CPU Cooling Device Using Thermosiphon
6,550,255	3/21/2001	4/22/2003	Stirling Refrigeration System with a Thermosiphon Heat Exchanger
7,055,321	5/6/2005	6/6/2006	Suspension Mechanism for Stirling Cycle Engine
7,073,567	8/1/2002	7/11/2006	Condenser, Evaporator and Cooling Device
10,544,978	11/15/2016	1/28/2020	Energy Efficient Biological Freezer with Vial Management System
7,171,811	9/29/2005	2/6/2007	Multiple-Cylinder, Free Piston, Alpha Configured Stirling Engines & Heat Pumps with Stepped Pistons
9587873	2/27/2013	3/7/2017	Energy Efficient Biological Freezer with Vial Management System

6,701,721	2/1/2003	3/9/2004	Stirling Engine Driven Heat Pump with Fluid Interconnection
10,329,822	4/4/2016	6/25/2019	Door Latch with Opening and Closing Mechanical Advantage
8,713,934	10/28/2010	5/6/2014	Lubricant Free, Reduced Mass, Free-Piston, Stirling Machine Having Reciprocating Piston Drivingly Linked to Rotary Electromagnetic Transducer Moving in Rotational Oscillation
6,422,025	3/31/2001	7/23/2002	Vibrationally Isolated Stirling Cooler Refrigeration System
8,615,993	08/31/2010	12/31/2013	Bearing Support System for Free-Piston Stirling Machines

UNITED STATES PROVISIONAL PATENT APPLICATIONS

Country	App No Filing Date	Title
US	60/345,472 10/19/01	Porous Restrictor for Gas Bearings
US	61/241,081 9/10/09	Bearing Support System for Free-Piston Stirling Machines
US	60/954,824 8/9/07	Resonant Stator Balancing of Free-Piston Machine Coupled to Linear Motor or Alternator
US	61/545,615 10/11/11	Method for Use in Controlling Free Piston Stirling Coolers and Heat Pumps Driven by a Linear Alternator
US	61/677,528 7/31/12	Passive vacuum relief valve for ultra-low temperature freezers
US	60/717,319 9/15/05	Multiple-Cylinder, Free Piston, Alpha Configured Stirling Engines and Heat Pumps with Stepped Pistons
US	61/255,525 10/28/09	Lubricant Free, Reduced Mass, Free-Piston, Stirling Machine Having Reciprocating Piston Drivingly Linked to Rotary Electromagnetic Transducer Moving in Rotational Oscillation
US	61/616,021 3/27/12	Energy Efficient Biological Freezer with Vial Management System
US	61/674,588 7/23/12	Vehicle and Storage LNG System

EXHIBIT B

UNITED STATES ISSUED TRADEMARKS, SERVICE MARKS
AND COLLECTIVE MEMBERSHIP MARKS

REGISTRATIONS:

COUNTRY	MARK	REG. DATE/ REG. NO.
US	GLOBAL COOLING	6/2/1998 2161718
US	STIRLING ULTRACOLD	8/22/2017 87-343,577