

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6706550

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	HOWARD TROTT	05/10/2021
RECEIVING PARTY DATA		
Name:	ADVANCED RAIL ENERGY STORAGE, LLC	
Street Address:	4333 PARK TERRACE DR	
Internal Address:	SUITE 140	
City:	WESTLAKE VILLAGE	
State/Country:	CALIFORNIA	
Postal Code:	91361-4451	
PROPERTY NUMBERS Total: 2		
	Property Type	Number
	Application Number:	17316449
	PCT Number:	US2021031638
CORRESPONDENCE DATA		
Fax Number:	(503)595-5301	
<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:	5035955300	
Email:	beth.hinnant@klarquist.com	
Correspondent Name:	DEAKIN LAUER, KLARQUIST SPARKMAN, LLP	
Address Line 1:	121 SW SALMON STREET, SUITE 1600	
Address Line 2:	ONE WORLD TRADE CENTER	
Address Line 4:	PORTLAND, OREGON 97204	
ATTORNEY DOCKET NUMBER:	104046-03	
NAME OF SUBMITTER:	DEAKIN T. LAUER	
SIGNATURE:	/Deakin T. Lauer/	
DATE SIGNED:	05/12/2021	
Total Attachments: 2		
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ASSIGNMENT

WHEREAS, I, Howard Trott, of Kirkland, Washington, have invented a certain invention, entitled RAIL ENERGY STORAGE SYSTEMS AND METHODS, for which I am making application for Letters Patent of the United States and as described in the following patent applications:

U.S. Provisional Patent Application No. 63/022,385, filed on May 8, 2020, entitled "Rail Energy Storage Systems and Methods,"

PCT Patent Application to be filed on May 8, 2021, entitled "Gravitation Potential Energy Storage Systems and Methods" (Attorney Docket No. 10153-104046-04),

U.S. Patent Application to be filed on May 8, 2021, entitled "Gravitation Potential Energy Storage Systems and Methods" (Attorney Docket No. 10153-104046-03),

which applications are collectively referred to as "the patent applications."

WHEREAS, Advanced Rail Energy Storage, LLC, a limited liability company organized under the laws of the State of Washington, desires to acquire an interest therein:

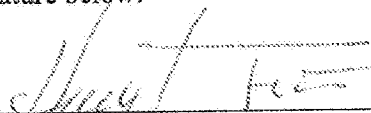
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I, hereby sell, assign and transfer to Advanced Rail Energy Storage, LLC, the full and exclusive right, title and interest in and to said invention, patent application/the patent applications and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, patent application/the patent applications and letters patent in this or any foreign country, and all corresponding non-provisional applications, divisions, continuations, continuations-in-part, reissues and extensions thereof, to be held and enjoyed by Advanced Rail Energy Storage, LLC, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted by the United States or any foreign country, as fully and entirely as the same would have been held by me had this assignment and sale not been made, and covenant that I have full right so to do, and agree that I will communicate to Advanced Rail Energy Storage, LLC, or its successors and assigns, any facts known to me respecting said

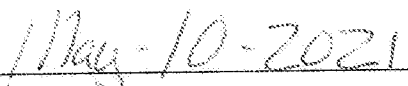
invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Advanced Rail Energy Storage, LLC, its successors and assigns to obtain and enforce proper patent protection for said invention in the United States or any foreign country.

I confirm that at the time the invention was made, I was under an obligation to assign the invention to Advanced Rail Energy Storage, LLC.

I hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite my signature below.


Howard Trott


Date