505367186 03/11/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5413978

SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT			
CONVEYING PARTY	DATA				
		Name		Execution Date	
PETER L. JONES				03/07/2019	
VICTOR MANKARIOUS				03/07/2019	
RECEIVING PARTY D	ΑΤΑ				
Name:	THE GRE	THE GREENBRIER COMPANIES, INC.			
Street Address:	ONE CEI	ONE CENTERPOINTE DRIVE			
Internal Address:	SUITE 20	SUITE 200			
City:	LAKE OS	LAKE OSWEGO			
State/Country:	OREGO	OREGON			
Postal Code:	97035	97035			
Application Number:	16	294236			
Property TypeApplication Number:1		Number 16294236			
00000000000000000000000000000000000000	DATA				
CORRESPONDENCE		2)750-6407			
Fax Number:	(3	12)750-6407 ne e-mail address first; if i	hat is unsucce	essful, it will be sent	
Fax Number: <i>Correspondence will</i> <i>using a fax number, i</i>	(3 be sent to t if provided;	ne e-mail address first; if i f that is unsuccessful, it v			
Fax Number: <i>Correspondence will using a fax number, i</i> Phone:	(3) be sent to t if provided; 3 ⁻	ne e-mail address first; if a f that is unsuccessful, it v 22698048			
Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email:	(3 be sent to t if provided; 3 ⁻ Ikj	ne e-mail address first; if a f that is unsuccessful, it w 22698048 phnson@nge.com			
Fax Number: <i>Correspondence will using a fax number, i</i> Phone:	(3 be sent to t if provided; 3 k k e: Al	ne e-mail address first; if a f that is unsuccessful, it v 22698048	vill be sent via		
Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email: Correspondent Name	(3 if provided; 3 ⁻ lkj e: Al	ne e-mail address first; if a f that is unsuccessful, it v 22698048 ohnson@nge.com DAM H. MASIA	vill be sent via		
Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email: Correspondent Name Address Line 1:	(3 if provided; 3 if kj k; Al S S	ne e-mail address first; if i f that is unsuccessful, it v 22698048 ohnson@nge.com OAM H. MASIA VO NORTH LASALLE STR	vill be sent via		
Fax Number: <i>Correspondence will</i> <i>using a fax number, i</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4:	(3 if provided; 3 lkj e: Al S S C	ne e-mail address first; if a f that is unsuccessful, it v 22698048 ohnson@nge.com DAM H. MASIA VO NORTH LASALLE STR JITE 1700	vill be sent via		
Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4:	(3 if provided; 3 lkj e: Al T S S C NUMBER:	ne e-mail address first; if i f that is unsuccessful, it w 22698048 ohnson@nge.com OAM H. MASIA VO NORTH LASALLE STR JITE 1700 HICAGO, ILLINOIS 60602	vill be sent via		
Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2:	(3 if provided; 3 lkj e: Al T S S C NUMBER:	pe e-mail address first; if i f that is unsuccessful, it v 22698048 phnson@nge.com DAM H. MASIA VO NORTH LASALLE STR JITE 1700 HICAGO, ILLINOIS 60602	vill be sent via		
Fax Number: Correspondence will using a fax number, a Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NAME OF SUBMITTER SIGNATURE:	(3 if provided; 3 lkj e: Al T S S C NUMBER:	ne e-mail address first; if i f that is unsuccessful, it v 22698048 ohnson@nge.com OAM H. MASIA VO NORTH LASALLE STR JITE 1700 HICAGO, ILLINOIS 60602 030462.8001 ADAM H. MASIA	vill be sent via		
Fax Number: Correspondence will using a fax number, f Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET	(3 if provided; 3 lkj e: Al T S S C NUMBER:	pe e-mail address first; if a f that is unsuccessful, it v 22698048 ohnson@nge.com DAM H. MASIA VO NORTH LASALLE STR JITE 1700 HICAGO, ILLINOIS 60602 030462.8001 ADAM H. MASIA /ADAM H. MASIA/	vill be sent via		
Fax Number: <i>Correspondence will</i> <i>using a fax number, a</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NAME OF SUBMITTER SIGNATURE: DATE SIGNED:	(3 if provided; if provided; ik e: Al SI C NUMBER: R:	pe e-mail address first; if i f that is unsuccessful, it w 22698048 phnson@nge.com DAM H. MASIA VO NORTH LASALLE STR JITE 1700 HICAGO, ILLINOIS 60602 030462.8001 ADAM H. MASIA /ADAM H. MASIA/ 03/10/2019	vill be sent via		
Fax Number: <i>Correspondence will</i> <i>using a fax number, i</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NAME OF SUBMITTER SIGNATURE: DATE SIGNED: Total Attachments: 3	(3 be sent to t if provided; Ikj Si C NUMBER: R: 0462-8001#p 0462-8001#p	pe e-mail address first; if i f that is unsuccessful, it v 22698048 phnson@nge.com DAM H. MASIA VO NORTH LASALLE STR JITE 1700 HICAGO, ILLINOIS 60602 030462.8001 ADAM H. MASIA /ADAM H. MASIA 03/10/2019 age1.tif age2.tif	vill be sent via		

ASSIGNMENT

WHEREAS, the undersigned, to wit, <u>Peter L. Jones</u> and <u>Victor Mankarious</u> (hereinafter "Assignors") are the lawful owners of an invention (the "Invention") described in U.S. Patent Application No. 16/294,236 (the "Patent Application"), entitled "AUTO-RACK RAILROAD CAR," filed in the U.S. Patent and Trademark Office on March 6, 2019, and identified by Attorney Docket No. 030462-8001.

WHEREAS, The Greenbrier Companies, Inc. (hereinafter "Assignee"), an Oregon corporation having its principal office and place of business at One Centerpointe Drive, Suite 200, Lake Oswego, Oregon 97035, desires to acquire the entire right, title, and interest in the Invention and the Patent Application.

NOW THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby sell, assign, transfer, and set over unto Assignee, its successors, assigns, nominees, or legal representatives, the full and exclusive right, title, and interest in and to the Invention and the Patent Application in the United States and in all countries foreign to the United States, to be held and enjoyed by Assignee, its successors, assigns, nominees, or legal representatives as fully and entirely as the same would have been held and enjoyed by Assignors had this ASSIGNMENT not been made, including, without limitation:

- (1) all right, title, and interest to make: (i) applications for patent of the United States on the Invention, (ii) applications for patent of countries foreign to the United States on the Invention, and (iii) international applications under the Patent Cooperation Treaty (PCT) on the Invention;
- (2) all right, title, and interest to make: (i) applications for patent of countries foreign to the United States that claim priority in whole or in part, directly or indirectly, to the Patent Application, and (ii) international applications under the PCT that claim priority in whole or in part, directly or indirectly, to the Patent Application;
- (3) all right, title, and interest to make: (i) related applications for patent of the United States that claim priority in whole or in part, directly or indirectly, to the Patent Application; and (ii) related applications for patent of countries foreign to the United States that claim priority in whole or in part, directly or indirectly, to one or more applications for patent in countries foreign to the United States that claim priority to the Patent Application, including but not limited to any and all continuations, divisionals, continuations-inpart, reissues, extensions, reexaminations, and substitutions thereof;
- (4) all right, title, and interest in and to any patents issuing from any applications for patent of the United States on the Invention including, but not limited to: (i) any patents of the United States issuing from the Patent Application; and (ii) any patents issuing from any related applications for patent of the United States that claim priority in whole or in part, directly or indirectly, to the Patent Application, together with all improvements thereon and betterments thereof;
- (5) all right, title, and interest in and to any patents issuing from any applications for patent of countries foreign to the United States on the Invention including, but not limited to: (i) any patents issuing from any applications for patent of countries foreign to the United States that claim priority to the Patent Application; and (ii) any patents issuing from any related applications for patent of countries foreign to the United States that claim priority in whole or in part, directly or indirectly, to one or more applications for patent in countries foreign to the United States that claim priority in whole or in part, directly or indirectly, to one or more applications for patent in countries foreign to the United States that claim priority to the Patent Application, together with all improvements thereon and betterments thereof;
- (6) any and all rights to sue for any past, present, and future infringement of any patents issuing from any applications for patent of the United States on the Invention including, but not limited to: (i) any patents of the United States issuing from the Patent Application; and (ii) any patents issuing from any related applications for patent of the United States that claim priority in whole or in part, directly or indirectly, to the Patent Application, including, but not limited to, the right to collect and receive any damages, royalties, or settlements for such infringements; all rights to sue for injunctive or other equitable relief; and all causes of action relating to any patents issuing from any applications for patent of the United States to: (i) any patents of the United States issuing from the Patent Application; and (ii) any patents issuing from any related applications for patent of the United States that claim priority in whole or in part, directly or other equitable relief; and all causes of action relating to any patents issuing from any applications for patent of the United States on the Invention including, but not limited to: (i) any patents of the United States issuing from the Patent Application; and (ii) any patents issuing from any related applications for patent of the United States that claim priority in whole or in part, directly or indirectly, to the Patent Application; and

ASSIGNMENT

(7) any and all rights to sue for any past, present, and future infringement of any patents issuing from any applications for patent of countries foreign to the United States on the Invention including, but not limited to: (i) any patents issuing from any applications for patent of countries foreign to the Patent Application; and (ii) any patents issuing from an related applications for patent of countries foreign to the United States that claim priority in whole or in part, directly or indirectly, to one or more applications for patent in countries foreign to the United States that claim priority to the Patent Application, including, but not limited to, the right to collect and receive any damages, royalties, or settlements for such infringements; all rights to sue for injunctive or other equitable relief; and all causes of action relating to any patents issuing from any applications for patent of countries foreign to the United States that claim priority to the Patent Application including, but not limited to: (i) any patents issuing from any applications for patent of countries foreign to the United States that claim priority to the Patent Application relating to any patents issuing from any applications for patent of countries foreign to the United States on the Invention including, but not limited to: (i) any patents issuing from any applications for patent of countries foreign to the United States that claim priority to the Patent Application; and (ii) any patents issuing from any related applications for patent of countries foreign to the United States that claim priority in whole or in part, directly or indirectly, to one or more applications foreign to the United States that claim priority to the Patent Application; and (ii) any patents issuing from any related applications for patent of countries foreign to the United States that claim priority to the Patent Application; and (ii) any patents issuing from any related applications for patent of countries foreign to the United States that claim priori

Assignors hereby authorize and request the Commissioner of Patents of the United States to issue any patents issuing from an application for patent of the United States on the Invention including, but not limited to: (i) any patents of the United States issuing from the Patent Application; and (ii) any patents issuing from any related applications for patent of the United States that claim priority in whole or in part, directly or indirectly, to the Patent Application, to Assignee, its successors, legal representatives, nominees, or assigns.

Assignors hereby authorize and request that all patents issuing from any applications for patent in countries foreign to the United States on the Invention including, but not limited to: (i) any patents issuing from any applications for patent of countries foreign to the United States that claim priority to the Patent Application; and (ii) any patents issuing from any related applications for patent of countries foreign to the United States that claim priority in whole or in part, directly or indirectly, to one or more applications for patent in countries foreign to the United States that claim priority in whole or in part, directly or indirectly, to one or more applications for patent in countries foreign to the United States that claim priority to the Patent Application, be issued to Assignee, its successors, legal representatives, nominees, or assigns.

Assignors hereby covenant and agree that Assignors will, upon request of Assignee, its successors, legal representatives, nominees, or assigns and without further remuneration, fully cooperate with Assignee in preparing, filing, and procuring any applications for patent in the United States and in countries foreign to the United States on the Invention.

Assignors hereby further covenant and agree that Assignors will, upon request of Assignee, its successors, legal representatives, nominees, or assigns and without further remuneration, execute and deliver any papers that may be reasonably necessary to Assignee's, its successors', legal representatives', nominees', or assigns' full enjoyment, protection, enforcement, and title in and to the Invention and the Patent Application and any and all rights hereby transferred, including, but not limited to, all oaths, declarations, affidavits, and attestations for and related to the Invention, the Patent Application, and any and all applications for patent on the Invention of the United States and of countries foreign to the United States.

Assignors hereby further covenant and agree that Assignors will, upon request of Assignee, its successors, legal representatives, nominees, or assigns and without further remuneration, provide any information, testify in any legal proceeding, and take any other actions that may be reasonably necessary to Assignee's, its successors', legal representatives', nominees', or assigns' full enjoyment, protection, enforcement, and title in and to the Invention and the Patent Application and any and all rights hereby transferred.

ASSIGNMENT

ritor Calinis Signature Signature Peter L. Jones Victor Mankarious Printed Name Printed Name c/o The Greenbrier Companies 99 Main Street, Colleyville, TX 76034 c/o The Greenbrier Companies 99 Main Street, Colleyville, TX 76034 Address Address 2019 014 Date Signed Date Signed Witness Witness The person whose name is subscribed above appeared before me personally and, in my presence, executed this Assignment for the purpose contained therein by signing his/her name above. The person whose name is subscribed above appeared before me personally and, in my presence, executed this Assignment for the purpose contained therein by signing his/her name above. Signature Signature Printed Name Printed Name CH Date Signed Date Signed