

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	EDWARD DANIEL SPARKS II	09/24/2014
RECEIVING PARTY DATA		
Name:	CSX TRANSPORTATION	
Street Address:	500 WATER STREET	
Internal Address:	J150	
City:	JACKSONVILLE	
State/Country:	FLORIDA	
Postal Code:	32202	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14465397
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NAME OF SUBMITTER:	JUDITH A. WASILKUS	
SIGNATURE:	/JUDITH A. WASILKUS/	
DATE SIGNED:	12/10/2015	
Total Attachments: 3		
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ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made by Edward Daniel SPARKS, II, (hereinafter referred to as "Assignor"), has made new and useful processes, machines, articles of manufacture, compositions of matter and/or improvements in BRIDGE TIE FASTENER SYSTEM (hereinafter referred to as the "Invention") set forth in U.S. provisional patent application no. 61/868,222, filed August 21, 2013 and U.S. non-provisional application no. 14/465,397, filed on August 21, 2014 (hereinafter referred to as "Application").

WHEREAS, CSX Transportation, having a place of business at 500 Water Street, J150, Jacksonville, Florida 32202 and who, together with its successors and assigns (hereinafter referred to as "Assignee"), is desirous of acquiring the entire right, title and interest in and to the Invention and Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefor and thereon.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, Assignee's successors, legal representatives and assigns, the entire right, title and interest in and to the Invention and Application, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said Application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations, substitutions and extension of said Letters Patent, and all rights under the International Convention for Protection of Industrial Property including all rights of priority, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution

and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the lawful joint owner of the entire right, title and interest in and to the Invention and Application for Letters Patent, and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said Invention, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns shall advise: that any proceeding in connection with said Invention, or said Application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said Invention in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Director of the United States Patent and Trademark Office to issue said Letters Patent of the United States to Assignee, as Assignee of said Invention and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successor, legal representatives and assigns.

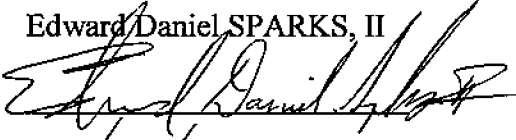
AND Assignor hereby grants the following individuals the power to insert on this Assignment the application filing date and application serial number, and any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

MCGUIREWOODS LLP

All practitioners at Customer Number 23345.

AND Assignor acknowledges an obligation of assignment of this Invention to Assignee at the time the Invention was made.

IN WITNESS WHEREOF, Assignor has hereunto set hand and seal.

Assignor: Edward Daniel SPARKS, II
Signature: 
Date: 9/24/2014