

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kevin Oldknow</td> <td>12/02/2011</td> </tr> <tr> <td>John Samuels</td> <td>12/02/2011</td> </tr> <tr> <td>Donald Thomas Eadie</td> <td>12/02/2011</td> </tr> <tr> <td>Dana Earl</td> <td>11/23/2011</td> </tr> </tbody> </table>		Name	Execution Date	Kevin Oldknow	12/02/2011	John Samuels	12/02/2011	Donald Thomas Eadie	12/02/2011	Dana Earl	11/23/2011
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Portec Rail Products, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>900 Old Freeport Road</td> </tr> <tr> <td>City:</td> <td>Pittsburgh</td> </tr> <tr> <td>State/Country:</td> <td>PENNSYLVANIA</td> </tr> <tr> <td>Postal Code:</td> <td>15238</td> </tr> </table>		Name:	Portec Rail Products, Inc.	Street Address:	900 Old Freeport Road	City:	Pittsburgh	State/Country:	PENNSYLVANIA	Postal Code:	15238
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13293805</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13293805						
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CORRESPONDENCE DATA											
<p>Fax Number: (269)337-7809</p> <p>Phone: 2693377808</p> <p>Email: patent@honigman.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Thomas A. Wootton</p> <p>Address Line 1: 350 E. Michigan Ave.</p> <p>Address Line 2: Suite 300</p> <p>Address Line 4: Kalamazoo, MICHIGAN 49007</p>											
ATTORNEY DOCKET NUMBER:	218430/319100										
NAME OF SUBMITTER:	Thomas A. Wootton										

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Total Attachments: 4

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ASSIGNMENT

WHEREAS, WE:

KEVIN OLDKNOW, 309 – 1050 Bowron Court, North Vancouver, British Columbia, V7H 2X6, Canada;

JOHN SAMUELS, 2400 Bay Village Court, Palm Beach Gardens, Florida, 33410, United States;

DONALD THOMAS EADIE, 2345 Birch Street, Vancouver, British Columbia, V7W 3H3, Canada; and

DANA EARL, 3670 Kennybrook Bluff, Columbus, Ohio, 43220, United States

have invented an invention entitled: **OPTIMIZING RAIL TRACK PERFORMANCE** ("Invention"), for which an application for Letters Patent has been made in the United States on November 10, 2011 under serial No. US 13/293,805;

WHEREAS, **PORTEC RAIL PRODUCTS, INC.** (hereinafter referred to as "ASSIGNEE") having a place of business at 900 Old Freeport Road, Pittsburgh, Pennsylvania, 15238, United States is desirous of acquiring and having assigned to it the full right, title and interest in and to the Invention and in and to any Letters Patent that may be granted therefor in any and all countries and jurisdictions; and

WHEREAS WE have agreed to make such assignment;

NOW, THEREFORE, in consideration of the foregoing premises, and of the sum of one dollar (\$1.00) and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, WE, hereby sell, assign and transfer absolutely to the ASSIGNEE the full and exclusive right, title and interest in and to: (a) the Invention worldwide; (b) any and all patent applications for the Invention in all countries and jurisdictions and under all conventions and treaties, including the right to claim for any and all applications any priority

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rights to which such applications are entitled under conventions, treaties or otherwise, and all divisions, extensions, continuations, continuations-in-part, provisionals, non-provisionals, substitutions and renewals thereof; (c) all Letters Patent which may be granted therefor in any and all countries and jurisdictions, and any renewals, reissues, re-examinations or extensions of the Letters Patent, and (d) the exclusive right to bring or participate in any proceeding for past infringement or any other actionable right under all of the foregoing and to receive all remedies that arise therefrom, to the end of the term for which the Letters Patent may be granted, as fully and entirely as the same would have been held by us had this Assignment not been made.

WE hereby authorize and request the patent offices in all countries and jurisdictions to issue any and all of the Letters Patent, when granted, to the ASSIGNEE.


Further, WE agree that WE will communicate to the ASSIGNEE or its representatives any facts known to us respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all papers relating to all patent applications including all divisionals, continuations, continuations-in-part, extensions, renewals, provisionals, non-provisionals or substitutes thereof, and the Letters Patent including any renewal, re-examination, extension and reissue thereof, execute all necessary assignment papers to cause any and all of the Letters Patent to be issued to the ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid the ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for the invention in any and all countries and jurisdictions.

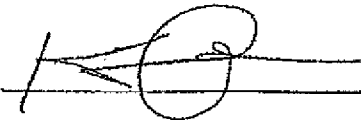
The undersigned hereby authorizes the firm of Gowling Lafleur Henderson LLP to correct errors in this assignment or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in any country.

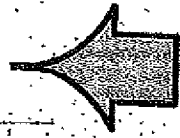
EXECUTED at 1011th Vancouver, this 2
day of December, 2011

Witness:

Inventor:


Print Name: Claire Tomlinson

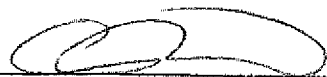

KEVIN OLDKNOW




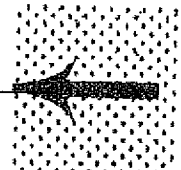
EXECUTED at North Vancouver, this 2nd
day of DECEMBER, 2011.

Witness:

Inventor:


Print Name: Claire Tomlinson

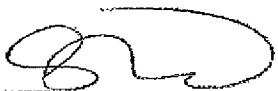

JOHN SAMUELS

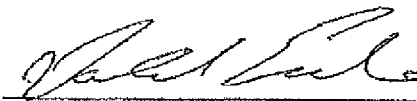


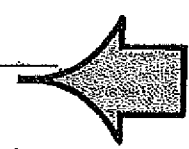
EXECUTED at North Vancouver, this 2nd
day of December, 2011.

Witness:

Inventor:


Print Name: CLARE TOMLINSON


DONALD THOMAS EADIE



EXECUTED at Vancouver, this 23rd
day of NOVEMBER, 2011.

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Witness:

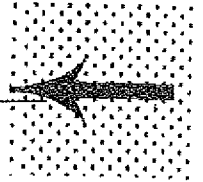
David Rieker

Print Name: DAVID RIEKER

Inventor:

Dana Earl

DANA EARL



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