

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
James R Snavelly	07/03/2013
Aaron L Lafon	07/03/2013
RECEIVING PARTY DATA	
Name:	Norfolk Southern Corporation
Street Address:	3 Commercial Place
City:	Norfolk
State/Country:	VIRGINIA
Postal Code:	23510
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13936697
CORRESPONDENCE DATA	
Fax Number:	2023464444
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	202.346.4000
Email:	patentdc@goodwinprocter.com
Correspondent Name:	Goodwin Procter LLP
Address Line 1:	901 New York Avenue NW
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20001
NAME OF SUBMITTER:	Ce Li
Signature:	/Ce Li/
Date:	07/09/2013
Total Attachments: 3 source=NOR13Assignment#page1.tif source=NOR13Assignment#page2.tif source=NOR13Assignment#page3.tif	

OP \$40.00 13936697

ASSIGNMENT

WHEREAS, WE, **James R. Snavelly**, residing at **80 Maiden Lane, Fincastle, VA 24090** and **Aaron L. Lafon**, residing at **3833 Marla Drive, Blacksburg, VA 24060**, have invented certain new and useful improvements in and to the subject matter of:

TOOL AND METHOD FOR SEATING ENGINE PISTONS

described in an application for United States Letters Patent, filed on July 8, 2013, and accorded Application No. 13/936,697;

AND, WHEREAS, **Norfolk Southern Corporation**, organized under the laws of the Commonwealth of Virginia, having a place of business located at **3 Commercial Place, Norfolk, Virginia 23510, USA** (hereinafter "ASSIGNEE"), is desirous of acquiring certain rights to the improvements and under the application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration, receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said improvements, said United States application, any other United States applications, including provisional, divisional, renewal, substitute, continuation, reexamination and reissue applications, based in whole or in part on said United States application or in whole or in part on said improvements, any foreign applications, including international and regional applications, based in whole or in part on any of the aforesaid United States applications or in whole or in part on said improvements, and in and to any and all letters patent, including extensions thereof, of any country which have been or may be granted on any of the aforesaid applications or on said improvements or any parts thereof;

AND WE hereby authorize and request my agents, Goodwin Procter LLP, whose address is 901 New York Ave., N.W.; Washington, DC 20001, to insert hereon any identification necessary or desirable for recordation of this document, including the filing date and application number of said application when known.

AND WE hereby agree for ourselves and our heirs, executors and administrators to execute without further consideration any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-referenced application or in the preparation or prosecution of any continuing, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extensions or interference proceedings, or other applications for patents of any region or country, that may be necessary to secure to ASSIGNEE

GOODWIN|PROCTER LLP
INTELLECTUAL PROPERTY DEPARTMENT
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WASHINGTON, DC 20001
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(202) 346-4444 (FACSIMILE)

PATENT
REEL: 030757 FRAME: 0172

its interest and title in and to said improvements or any parts thereof, and in and to said several patents or any of them;

AND WE hereby covenant for ourselves and our legal representatives, and agree with said ASSIGNEE, its successors and assigns, that we have granted no right or license to make, use, sell or offer to sell said improvements, to anyone except said ASSIGNEE, that prior to the execution of this deed, my right, title and interest in said improvements had not been otherwise encumbered, and that we have not and will not execute any instrument in conflict therewith;

AND WE do hereby authorize and request the Director of the United States Patent and Trademark Office to issue any and all letters patent which may be granted upon said United States applications, or upon said improvements or any parts thereof when granted, to said ASSIGNEE.

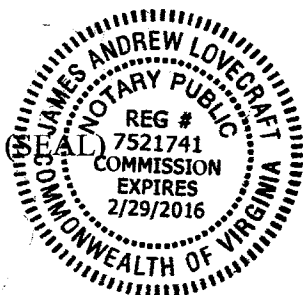
IN WITNESS WHEREOF, WE have hereunto set our hands and seals.

7.3-13
Date

James R. Snavelly
James R. Snavelly

County of Roanoke)
) ss:
State of VA)

On this 3rd day of July, 2013, before me a Notary Public in and for the County and State aforesaid, personally appeared **James R. Snavelly**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.



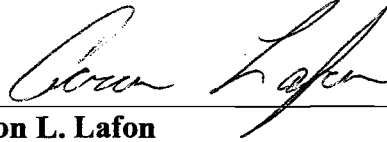
James R. Snavelly
Notary Public
My Commission Expires 2-29-14

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PATENT
REEL: 030757 FRAME: 0173

7-3-13

Date



Aaron L. Lafon

County of Roanoke

)

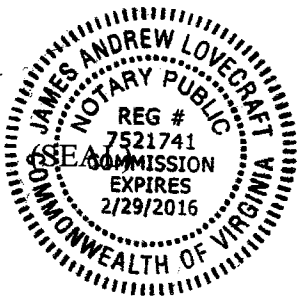
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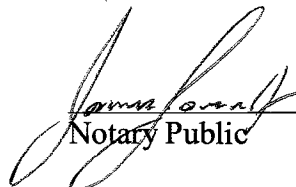
ss:

State of VA

)

On this 3rd day of July, 2013, before me a Notary Public in and for the County and State aforesaid, personally appeared **Aaron L. Lafon**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.





Notary Public

My Commission Expires 2-29-16

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