

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Jeffrey J. SODEN</td> <td>11/15/2011</td> </tr> <tr> <td>Bevin W. PARKS-LEE</td> <td>11/15/2011</td> </tr> </tbody> </table>		Name	Execution Date	Jeffrey J. SODEN	11/15/2011	Bevin W. PARKS-LEE	11/15/2011				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>AFTON CHEMICAL CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>500 Spring Street</td> </tr> <tr> <td>City:</td> <td>Richmond</td> </tr> <tr> <td>State/Country:</td> <td>VIRGINIA</td> </tr> <tr> <td>Postal Code:</td> <td>23219</td> </tr> </table>		Name:	AFTON CHEMICAL CORPORATION	Street Address:	500 Spring Street	City:	Richmond	State/Country:	VIRGINIA	Postal Code:	23219
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PROPERTY NUMBERS Total: 1											
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Application Number:	13606208										
CORRESPONDENCE DATA											
Fax Number:	8655234478										
Phone:	865-546-4305										
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Correspondent Name:	David E. LaRose										
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ATTORNEY DOCKET NUMBER:	66431.US/2175.0										
NAME OF SUBMITTER:	David E. LaRose										
Total Attachments: 2 source=66431us-topto-20120907-OtherAssignment#page1.tif source=66431us-topto-20120907-OtherAssignment#page2.tif											

OP \$40.00 13606208

ASSIGNMENT

We, **Helen T. RYAN**, 63 Queens Road, East Sheen, London, England, SW14 8PH, a citizen of Ireland; **Bevin W. PARKS-LEE**, 1105 Queensgate Court, Midlothian, VA 23114, a citizen of the United States of America; **Jeffrey J. SODEN**, 11712 Explorer Drive, Midlothian, VA 23114, a citizen of the United States of America; and **Stuart WICKSON** of 9 Astoria Court, Roundhay Road, Leeds, England, LS8 4HT, a citizen of the United Kingdom; have invented and own a certain invention entitled:

PREPARATION AND USE OF AMINOALKYLPHOSPHONIC ACID DIALKYL ESTER COMPOUNDS IN A LUBRICANT FOR ANTIWEAR, FRICTION REDUCTION, AND/OR MICROPITTING PREVENTION

for which invention we have executed an application for a European Patent, which was filed on September 15, 2011, as application No. 11181490.1, has this title and bears on each page the above-mentioned Attorney Docket No., and

WHEREAS, **AFTON CHEMICAL CORPORATION**, of 500 Spring Street, Richmond, Virginia 23219, (hereinafter referred to as Assignee), is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors, and assigns the full and exclusive rights in and to the invention in the Great Britain, and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the Great Britain and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the European Patent office to issue a European Patent to the above-mentioned Assignee agreeably with the terms of this assignment document.

UPON SAID CONSIDERATION, we convey to the Assignee the right to make application in its own behalf for protection of the invention in Europe and countries foreign to Europe and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the European application (or any other application on the invention) to gain priority with respect to other applications.

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of Europe or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

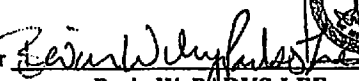
COMMONWEALTH OF VIRGINIA }
CITY OF RICHMOND }

Inventor 
Jeffrey J. SODEN

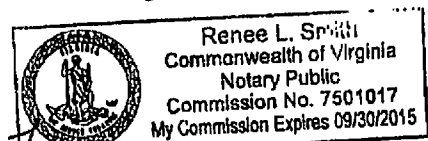
On this 15 day of NOVEMBER, 2011, Jeffrey J. SODEN personally appeared before me, to me known to be the person named in and who executed the above instrument in my presence, who acknowledged that he executed the same of his own free will for the uses and purposes herein mentioned.


Notary Public

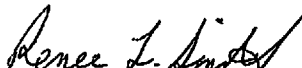
My Commission Expires 9-30-2015

Inventor 
Bevin W. PARKS-LEE

COMMONWEALTH OF VIRGINIA }
CITY OF RICHMOND }



On this 15 day of NOVEMBER, 2011, Bevin W. PARKS-LEE personally appeared before me, to me known to be the person named in and who executed the above instrument in my presence, who acknowledged that he executed the same of his own free will for the uses and purposes herein mentioned.


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