

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Albemarle Corporation	08/16/2013
RECEIVING PARTY DATA	
Name:	Hickory Springs Manufacturing Company
Street Address:	235 Second Avenue NW
City:	Hickory
State/Country:	NORTH CAROLINA
Postal Code:	28603
PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	12593379
Patent Number:	8143433
Patent Number:	8350074
CORRESPONDENCE DATA	
Fax Number:	2063327198
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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ATTORNEY DOCKET NUMBER:	088993-0003
NAME OF SUBMITTER:	Brian Kinnear
Signature:	/Brian Kinnear/
Date:	08/26/2013
Total Attachments: 3 source=Albemarle_Assignment#page1.tif source=Albemarle_Assignment#page2.tif source=Albemarle_Assignment#page3.tif	

OP \$120.00 12593379

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## EXHIBIT E

### ASSIGNMENT AGREEMENT

This Assignment Agreement (this "Assignment"), dated, is by and between **ALBEMARLE CORPORATION**, a Virginia corporation, having a place of business at 451 Florida Street, Baton Rouge, Louisiana 70801 ("ASSIGNOR"), and **HICKORY SPRINGS MANUFACTURING COMPANY**, a North Carolina corporation d/b/a HSM, having a place of business at 235 Second Avenue NW, Hickory, North Carolina 28603 ("ASSIGNEE") and recites and provides as follows:

WHEREAS, ASSIGNOR and ASSIGNEE are parties to the Intellectual Property Purchase Agreement, dated the date hereof, providing for the purchase and sale of the intellectual property of ASSIGNOR identified in Schedule A and Schedule C (the "Intellectual Property") to ASSIGNEE.

NOW, THEREFORE, for good and valuable consideration, the sufficiency and receipt of which are hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to the Intellectual Property throughout the world; and the entire right, title and interest in and to the invention described in the Intellectual Property throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of the invention described in the Intellectual Property.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of any patents or patent applications made part of the Intellectual Property as Appendix A, in the United States and in foreign countries, including additional documents that may be required to affirm the rights of ASSIGNEE in any patents or patent applications made part of the Intellectual Property as Appendix A, all without further consideration.

ASSIGNOR also agrees and does sell, assign and transfer to ASSIGNEE, without further consideration the right to sue for past infringement.

ASSIGNOR'S obligation under this Assignment shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

ASSIGNOR hereby grants the firm of Perkins Coie LLP of 1900 Sixteenth Street, Suite 1400, Denver, Co 80202-5255 the power to insert on this Assignment 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.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and

Trademarks to issue any and all United States Letters Patent and United States Patent Application referred to in Assignment Schedule to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behalf, and for the use and behalf of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

Date August 16, 2013

Signature of Assignor

Title:

Jeremy J. Kliebert  
Chief Patent Counsel  
ALBEMARLE CORPORATION

STATE OF LOUISIANA    )  
                                  ) SS  
COUNTY OF East Baton Rouge

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his name hereto.

Subscribed and Sworn to before me, in my presence,

This 16 day of August, 2013

Notary Public Dawn Margaret Ray

My commission expires upon my death

Dawn Margaret Ray  
La. Notary Public ID #67453  
Lifetime Commission

### ASSIGNMENT SCHEDULE A

US	12/593,379	9/28/2009		USE OF LOW TRIPHENYLPHOSPHATE, HIGH PHOSPHOROUS CONTENT ISOPROPYL PHENYL PHOSPHATES AS FLAME RETARDANTS IN POLYURETHANE OR POLYISOCYANURATE FOAMS
US	12/297,273	10/15/2008	8,143,433	LOW TRIPHENYLPHOSPHATE, HIGH PHOSPHOROUS CONTENT ISOPROPYL PHENYL PHOSPHATES WITH HIGH ORTHO ALKYLATION
US	13/232,388	9/14/2011	8,350,074	LOW TRIPHENYLPHOSPHATE, HIGH PHOSPHOROUS CONTENT ISOPROPYL PHENYL PHOSPHATES WITH HIGH ORTHO ALKYLATION