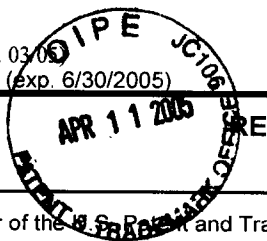


04-14-2005

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102980949

To the Director of the U.S. Patent and Trademark Office

Documents or the new address(es) below.

1. Name of conveying party(ies)

Zhiqiang Zhang
Gefei Wu
Frances E. Lockwood
Daniel J. Dotson

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) March 23, 2005

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: ASHLAND INC.

Internal Address: _____

Street Address: 3499 Blazer Parkway

City: Lexington

State: Kentucky

Country: United States Zip: 40509

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

10/966,825

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: David W. Carrithers

Internal Address: CARRITHERS LAW OFFICE, PLLC

One Paragon Centre

Street Address: 6060 Dutchman's Lane, Suite 140

City: Louisville

State: Kentucky Zip: 40205

Phone Number: (502) 452-1233

Fax Number: 502.456.2242

Email Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40

- ☐ Authorized to be charged by credit card
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David W. Carrithers
Signature

4/8/05

Date

David W. Carrithers, Reg. No. 35475

Name of Person Signing

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PATENT
REEL: 016475 FRAME: 0750

ASSIGNMENT OF INVENTION AND OF LETTERS PATENT

Whereas, I, Zhiqiang Zhang, whose address is 3240 Sebastian Lane, Lexington, KY 40515; I, Gefei Wu, whose address is 408 Whitfield Drive, Lexington, KY 40515; I, Frances E. Lockwood, whose address is 5326 Paris Pike, Georgetown, KY 40324 and I, Daniel J. Dotson, whose address is 4704 Carita Woods Way, Lexington, KY 40515; (including our successors and assigns), have invented certain improvements in a **SHOCK ABSORBER FLUID COMPOSITION CONTAINING NANOSTRUCTURES** as set forth the U.S. Patent application Serial No. 10/966,825 filed on October 15, 2004 for a United States Letters Patent and

Whereas, THE VALVOLINE COMPANY, a Division of ASHLAND INC., a Kentucky corporation whose address is 3499 Blazer Parkway, Lexington, KY 40509, (including its successors and assigns), desires to acquire my entire right, title and interest in said application and invention, and any United States and foreign patents to be obtained therefor;

Now therefore, in consideration of one dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell, assign and transfer unto said ASHLAND INC., the entire right, title and interest in said application and the invention disclosed therein for the United States of America and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended and the entire right, title, and interest in and to any and all provisional and nonprovisional patent applications, patents, continuations, continuations-in-part, and reissues based thereon which may be filed or granted therefor in the United States or any foreign country. I also agree that ASHLAND INC. may apply for foreign Letters Patent on the invention, and I agree to cooperate with ASHLAND INC. and to execute without additional consideration any additional documents as deemed necessary by ASHLAND INC. to apply for or maintain patents or other legal

protection for the invention in any country of the world.

I hereby authorize and request the U.S. Commissioner of Patents and Trademarks to issue any Letters Patent granted upon the invention set forth in this application to said ASHLAND INC.

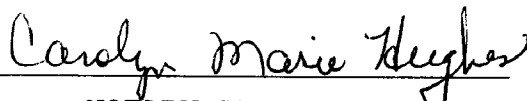

Zhiqiang Zhang

STATE OF KENTUCKY)
 : SS
COUNTY OF FAYETTE)

Subscribed and sworn to by Zhiqiang Zhang, who acknowledged same and declared it to be the free act and deed of Applicant this 23rd day of March, 2005.

My Commission Expires: October 16, 2008

(seal)


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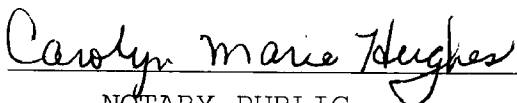

Gefei Wu

STATE OF KENTUCKY)
 : SS
COUNTY OF FAYETTE)

Subscribed and sworn to by Gefei Wu, who acknowledged same and declared it to be the free act and deed of Applicant this 23rd day of March, 2005.

My Commission Expires: October 16, 2008

(seal)


NOTARY PUBLIC

Frances E. Lockwood

Frances E. Lockwood

STATE OF KENTUCKY)

: SS

COUNTY OF FAYETTE)

Subscribed and sworn to by Frances E. Lockwood, who
acknowledged same and declared it to be the free act and deed of
Applicant this 23rd day of march, 2005.

My Commission Expires: October 16, 2008

(seal)

Carolyn Marie Hughes

NOTARY PUBLIC

Daniel J. Dotson

Daniel J. Dotson

STATE OF KENTUCKY)

: SS

COUNTY OF FAYETTE)

Subscribed and sworn to by Daniel J. Dotson, who
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