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

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or the new address(es) below.

1. Name of conveying party(ies)

Steffi SENSFUSS, Maher AL-IBRAHIM
Lars BLANKENBURG, Elisabeth KLEMM
Ashraf Raja SHAHID, Munazza SHAHIDAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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

Execution Date(s) June 20, 2009

- ☒ Assignment - Germany ☐ 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:

Thüringisches Institut für Textil -und
Kunststoff-Forschung E.V.Street Address: Breidscheidstrasse 97City: Rudolstadt

State:

Country: Germany Zip: D-07407Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

12/225,606☐ This document is being filed together with a new application.
B. Patent No.(s)Additional numbers attached? ☐ Yes ☒ No

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

Name: Horst M. Kasper

Internal Address:

Street Address: 13 Forest DriveCity: WarrenState: New Jersey Zip: 07059Phone Number: 908-526-6100Fax Number: 908-526-6977

Email Address:

6. Total number of applications and patents involved: one7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed Form 2038
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 3000
Expiration Date 04/13b. Deposit Account Number 11-0224Authorized User Name Horst M. Kasper

9. Signature:

Horst M. Kasper

Signature

06 JUL 2009

Date

HORST M. KASPER
Name of Person SigningTotal number of pages including cover sheet, attachments, and documents: ☐Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

07/13/09 15:40:21 00000000 00225606

01/FUL: 4021

PATENT

REEL: 022984 FRAME: 0664

ASSIGNMENT

WHEREAS,

<u>Steffi SENSFUSS,</u>	D-07745 JENA, Germany,
<u>Maher AL-IBRAHIM</u>	D-98693 ILMENAU, Germany
<u>Lars BLANKENBURG</u>	D-07768 KAKLA, Germany
<u>Elisabeth KLEMM,</u>	D-99425 WEIMAR, Germany
<u>Ashraf Raja SHAHID</u>	5623 EINDHOVEN, Netherlands
<u>Munazza SHAHID</u>	5623 EINDHOVEN, Netherlands, have made an invention in

PROCESS FOR PREPARING THIENO(3,4-B)PYRAZINE COPOLYMERS, THIENO

(3,4-B) PYRAZINE COPOLYMERS PREPARED BY THIS PROCESS, AND THEIR USE

and has executed an application for Letters Patent of the United States of America based thereon

< > the _____ day of _____ 2009

< > on even date herewith

< X > and subsequently (*) officially identified as Serial Number 12/225,606 filed on
September 23, 2008

AND WHEREAS, THÜRINGISCHES INSTITUT FÜR TEXTIL- UND KUNSTSTOFF-FORSCHUNG E.V. Breidscheidstrasse 97, D-07407 Rudolstadt, Germany and FRIEDRICH SCHILLER UNIVERSITÄT JENA, Fürstengraben 1, D-07743 Jena, Germany, is desirous of acquiring the entire right (including priority rights under any and all International Conventions), title and interest in and to the said invention in and throughout the United States of America, its Territories, and all countries foreign thereto, and in and to the said application for Letters Patent, and in and to any and all Letters Patent of the United States of America and countries foreign thereto, which have been or may be granted on said invention or any part thereof;

NOW THEREFORE, for one dollar and other good and valuable consideration, receipt of which is hereby acknowledged the said

Steffi Sensfuss, Maher AL-Ibrahim, Lars Blankenburg, Elisabeth Klemm, Ashraf Raja Shahid and Munazza Shahid

has agreed to and does hereby sell, assign and transfer unto the said THÜRINGISCHES INSTITUT FÜR TEXTIL- UND KUNSTSTOFF-FORSCHUNG E.V. and FRIEDRICH SCHILLER UNIVERSITÄT JENA the entire right (including priority rights under any and all International Conventions), title and interest in and throughout the United States of America, its Territories and all countries foreign thereto in and to said invention, said application for Letters Patent, and any and all Letters Patent and extensions thereto, of the United States of America and countries foreign thereto which have been or may be granted on said invention or any part thereof, or on said application or any divisional, continuing, renewal, re-issue or other applications based on whole or in part thereon, or based upon said invention;

TO BE HELD AND ENJOYED by the said THÜRINGISCHES INSTITUT FÜR TEXTIL-UND KUNSTSTOFF-FORSCHUNG E.V. and FRIEDRICH SCHILLER UNIVERSITÄT JENA, its heirs, executors, administrators, successors, and assigns, to the ends of the terms for which said Letters Patent or any of them have been or be granted, as fully and entirely as the same would have been held and enjoyed by us had no sale and assignment of said interest been made, and we do hereby authorize and request the Commissioner of Patents of the United States of America to issue any and all Letters Patent of the United States of America which may be granted upon the said applications above referred to, or any of them, or upon said invention or any part thereof, to THÜRINGISCHES INSTITUT FÜR TEXTIL- UND KUNSTSTOFF - FORSCHUNG E.V. and FRIEDRICH SCHILLER UNIVERSITÄT JENA aforesaid; and we hereby agree for ourselves and for our heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any reissue, renewal, or other application for Letters Patent that may be deemed necessary by the assignee herein named, fully to secure to the said assignee THÜRINGISCHES INSTITUT FÜR TEXTIL- UND KUNSTSTOFF- FORSCHUNG E.V. and FRIEDRICH SCHILLER UNIVERSITÄT JENA interest as aforesaid in and to said invention or any part thereof, and in and to several Letters Patent or any of them.

And we do hereby covenant for ourselves and our legal representatives and agree with THÜRINGISCHES INSTITUT FÜR TEXTIL- UND KUNSTSTOFF-FORSCHUNG EV and FRIEDRICH SCHILLER UNIVERSITÄT JENA its successors and assigns that we have granted no license to make, use or sell the said invention, that prior to the execution of this deed their right, title and interest in the said invention had not been encumbered, that we then had good right and title to sell and assign the same and that we have not executed and will not execute any instrument in conflict herewith.

(*) And, we hereby appoint Horst M. Kasper to insert in this instrument after execution identifying information and in particular the serial number and the filing date of said application for United States Letters Patent when officially notified thereof,

In Witness whereof, we have hereunto set our hands and affixed our seals this ____ day of _____ AD.2009.

WITNESS Lide Steffi Sensfuss
DATE 27.5.2009 Steffi Sensfuss

WITNESS Lide Maher Al Ibrahim
DATE 26.5.2009 Maher Al Ibrahim

WITNESS Lide Lars Blankenburg
DATE 28.5.09 Lars Blankenburg

WITNESS Wayn Elisabeth Klemm
DATE 20.06.09 Elisabeth Klemm

WITNESS h. de

Raja Shahid Ashraf
Raja Shahid Ashraf

DATE 12.06.09

WITNESS h. de

Munazza Shahid
Munazza Shahid

Country of _____

State of _____

On this _____ day of _____ A.D 2009 appeared the above named Steffi Sensfuss, Al Ibrahim Maher, Lars Blankenburg, Elisabeth Klemm, Raja Shahid Ashraf and Munazza Shahid personally known to me, and known by me to be the one who executed the foregoing instrument, and acknowledge the same to be their free act and deed, before me.

Notary Public

PTO 1391 (10-83)
%am/hl