

Form PTO-1595 (Rev. 03-11)
OMB No. 0651-0027 (exp. 03/31/2012)U.S. DEPARTMENT OF COMMERCE
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Robert Edward Jerman
Charles Edward WolanskiAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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Execution Date(s) April 20, 2012

- ☒ 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: Markel Corporation

Internal Address: _____

Street Address: 435 School LaneCity: Plymouth MeetingState: PACountry: USA Zip: 19762Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

13/200611IP ref # 103642325A☐ This document is being filed together with a new application.

B. Patent No.(s)

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

Name: Leslie A. Cohen

Internal Address: _____

Street Address: 55 Polder DriveCity: LanghorneState: PA Zip: 19053Phone Number: 215 752 7242Fax Number: 215 752 7242Email Address: lac72@caa.columbia.edu6. Total number of applications and patents involved: 17. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
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9. Signature: Leslie A. Cohen

Signature

Leslie A. Cohen

Name of Person Signing

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Form PTO-1595 (Rev. 03-11)
OMB No. 0651-0027 (exp. 03/31/2012)

03/26/2012

U.S. DEPARTMENT OF COMMERCE
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103642325

To the Director of the U.S. Patent and

ments or the new address(es) below.

1. Name of conveying party(ies)

Kenneth Donald Hobbs
Robert Edward Jermann
Charles Edward WolanskiAdditional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

2. Name and address of receiving party(ies)

Name: Market Corporation

Internal Address: _____

Street Address: 435 School LaneCity: Plymouth MeetingState: PACountry: USA Zip: 19462Additional name(s) & address(es) attached? ☐ Yes ☐ No

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Street Address: 55 Polder DriveCity: LanghorneState: PA Zip: 19053Phone Number: 215 752 7242Fax Number: 215 752 7242Email Address: lact2e@ca.columbia.edu6. Total number of applications and patents involved: 17. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
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9. Signature:

Leslie A. Cohen

Signature

Leslie A. Cohen

Name of Person Signing

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- WE
1. Kenneth Donald Hobbs (ASSIGNOR),
 2. Robert Edward Jerman (ASSIGNOR),
 3. Charles Edward Wolanski (ASSIGNOR),

For good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, do hereby sell and assign to Markel Corporation (ASSIGNEE), of Plymouth Meeting, PA, its successors, assigns and legal representatives all my/our right, title and interest, in and for the United States of America, in and to the invention entitled:

(Title of Invention)

A Self Sealing Membrane Contactor with PTFE Tubular Membranes

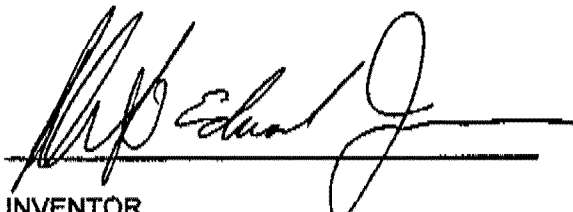
Invented by us and described in the US patent

U.S. Patent Application No. 13/200611

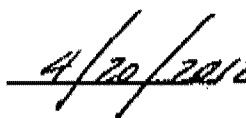
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Date



INVENTOR

4-20-12

Date



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4/20/2012

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