

PATENT ASSIGNMENT

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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>Martina E. BOWEN</td> <td>05/22/2013</td> </tr> <tr> <td>Yuan XIE</td> <td>05/22/2013</td> </tr> <tr> <td>Pamela A. HAVELKA-RIVARD</td> <td>05/22/2013</td> </tr> </tbody> </table>		Name	Execution Date	Martina E. BOWEN	05/22/2013	Yuan XIE	05/22/2013	Pamela A. HAVELKA-RIVARD	05/22/2013		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>TYCO FIRE PRODUCTS LP</td> </tr> <tr> <td>Street Address:</td> <td>1400 Pennbrook Parkway</td> </tr> <tr> <td>City:</td> <td>Lansdale</td> </tr> <tr> <td>State/Country:</td> <td>PENNSYLVANIA</td> </tr> <tr> <td>Postal Code:</td> <td>19446</td> </tr> </table>		Name:	TYCO FIRE PRODUCTS LP	Street Address:	1400 Pennbrook Parkway	City:	Lansdale	State/Country:	PENNSYLVANIA	Postal Code:	19446
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PROPERTY NUMBERS Total: 3											
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CORRESPONDENCE DATA											
<p>Fax Number: 2026546211 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-654-6200 Email: llacyk@perkinscoie.com Correspondent Name: David W. Laub Address Line 1: 700 13th Street NW, Suite 600 Address Line 2: Perkins Coie LLP Address Line 4: Washington, DISTRICT OF COLUMBIA 20005</p>											
ATTORNEY DOCKET NUMBER:	01737-8060US01										
NAME OF SUBMITTER:	Lynn A. Lacyk										

OP \$120.00 13876460

Signature:	/Lynn A. Lacyk/
Date:	05/30/2013
Total Attachments: 3 source=01737-8060US01_Assignment#page1.tif source=01737-8060US01_Assignment#page2.tif source=01737-8060US01_Assignment#page3.tif	

Assignment of Patent Application(s) & Letters Patent

WHEREAS, We, **Martina E. BOWEN**, a citizen of United States having a place of residence at **733 Owena Street, Marinette, Wisconsin 54143**; **Yuan XIE**, a citizen of the People's Republic of China having a place of residence at **1200 University Drive, Apt 12, Marinette, Wisconsin 54143**; and **Pamela A. HAVELKA-RIVARD**, a citizen of the United States having a place of residence at **N3320 County Road 577, Wallace, Michigan 49893** have invented certain new and useful improvements described in:

U.S. Patent Application No. **13/876,460** filed on **March 27, 2013** which is a U.S. National Stage Application Under 35 USC 371 of International Application No. **PCT/US2011/054628** filed **October 3, 2011** which claims the benefit of priority to U.S. Provisional Patent Application No. **61/389,027** filed on **October 1, 2010** entitled **AQUEOUS FIRE-FIGHTING FOAMS WITH REDUCED FLUORINE CONTENT**

WHEREAS, **TYCO FIRE PRODUCTS LP**, (hereinafter referred to as "ASSIGNEE"), having a place of business at: **1400 Pennbrook Parkway, Lansdale, Pennsylvania 19446**, is desirous of acquiring the full and exclusive right, title and interest in and to the invention, the application(s), and any and all Letters Patent or similar legal protection, to be obtained therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, I (we), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right in and to said invention in the United States and its territorial possessions and in any and all foreign countries, and the entire right, title and interest in and to the above-identified application(s), any and all foreign or domestic related or claiming priority to said application(s), any and all Letters Patent which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, continuations, substitutions, renewals and reissues thereof.

I (we) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and in any and all foreign countries to issue an and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE and said ASSIGNEE's successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (we) agree that I (we) will communicate to said ASSIGNEE or said ASSIGNEE's representative any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally, do everything possible to aid said ASSIGNEE, and said ASSIGNEE's successors and assigns, to obtain and enforce proper protection for said Invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) ASSIGNEE or said ASSIGNEE's representative, the power to insert on this Assignment any further identification, including the application number(s) and filing date, 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.

Date: 5/22/13

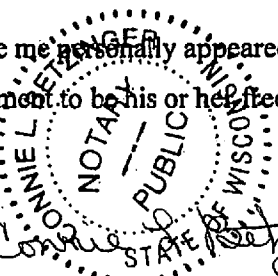
Martina E. Bowen
Martina E. BOWEN

State of Wisconsin SS:

County of Marquette

Before me personally appeared said Martina Bowen and acknowledged the foregoing instrument to be his or her free act and deed this 22 day of May, 2013.

Seal


Daniel F. Fetzinger,
My Commission Expires 8/9/2015

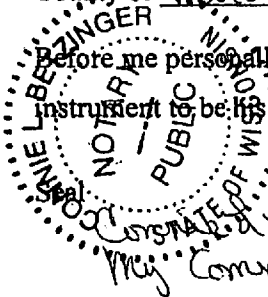
Names of additional Inventors attached? ☒ YES ☐ NO

Date: 05/22/2013

Yuan Xie
Yuan XIE

State of Wisconsin
County of Marinette SS:

Before me personally appeared said Yuan Xie and acknowledged the foregoing instrument to be his free act and deed this 22 day of May, 2013.



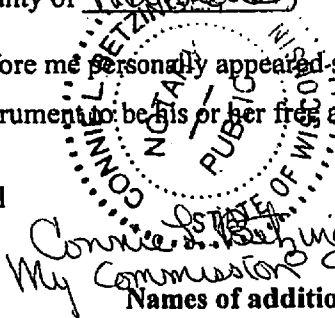
Date: May 22, 2013

Pamela A. Havelka-Rivard
Pamela A. HAVELKA-RIVARD

State of Wisconsin
County of Marinette SS:

Before me personally appeared said Pamela Havelka-Rivard and acknowledged the foregoing instrument to be his or her free act and deed this 22 day of May, 2013.

Seal



Names of additional Inventors attached? ☐ YES ☒ NO