

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT2844453

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>MANUEL R. SILVA JR.</td><td>02/25/2004</td></tr><tr><td>THOMAS E. ARCHIBALD</td><td>02/24/2004</td></tr><tr><td>JAMES W. MEARS</td><td>02/26/2004</td></tr><tr><td>DONALD B. POUNDER</td><td>02/27/2004</td></tr><tr><td>YORAM RINGER</td><td>02/25/2004</td></tr></tbody></table>	Name	Execution Date	MANUEL R. SILVA JR.	02/25/2004	THOMAS E. ARCHIBALD	02/24/2004	JAMES W. MEARS	02/26/2004	DONALD B. POUNDER	02/27/2004	YORAM RINGER	02/25/2004	
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DONALD B. POUNDER	02/27/2004												
YORAM RINGER	02/25/2004												
<b>RECEIVING PARTY DATA</b>													
<b>Name:</b>	TYCO FIRE PRODUCTS LP												
<b>Street Address:</b>	1467 ELMWOOD AVENUE												
<b>City:</b>	CRANSTON												
<b>State/Country:</b>	RHODE ISLAND												
<b>Postal Code:</b>	02910												
<b>PROPERTY NUMBERS Total: 1</b>													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Patent Number:</td><td>8528653</td></tr></tbody></table>	Property Type	Number	Patent Number:	8528653									
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Patent Number:	8528653												
<b>CORRESPONDENCE DATA</b>													
<b>Fax Number:</b>	(202)654-6211												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
<b>Phone:</b>	202-654-1709												
<b>Email:</b>	llacyk@perkinscoie.com												
<b>Correspondent Name:</b>	DAVID W. LAUB												
<b>Address Line 1:</b>	700 13TH STREET NW												
<b>Address Line 2:</b>	PERKINS COIE LLP												
<b>Address Line 4:</b>	WASHINGTON, DISTRICT OF COLUMBIA 20005												
<b>ATTORNEY DOCKET NUMBER:</b>	34008:E/3 (8042.US02)												
<b>NAME OF SUBMITTER:</b>	LYNN A. LACYK]												
<b>SIGNATURE:</b>	/Lynn A. Lacyk/												
<b>DATE SIGNED:</b>	05/06/2014												
<b>Total Attachments: 6</b> source=001737-8042_Assignment#page1.tif													

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PATENT  
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# WORLDWIDE ASSIGNMENT

Attorney Docket No. 052250-5003

WHEREAS, We, the below named inventors, hereinafter referred to as Assignor, have made an invention entitled:

## DRY SPRINKLER

for which We filed an application for United States Letters Patent; and

WHEREAS, Tyco Fire Products, LP, a corporation of Delaware, whose post office address is 1467 Elmwood Avenue, Cranston, RI 02910, U.S.A., hereinafter referred to as "Assignee", is desirous of securing the entire right, title, priorities and interest in and to this invention by local laws or treaty in all countries throughout the world, including any international convention for the protection of industrial or intellectual property, in and to any and all improvements which are disclosed in the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, Manuel R. SILVA, Jr., 38 Canochet Trail, Cranston, RHODE ISLAND 02852, a citizen of U.S.A., Thomas E. ARCHIBALD, 42 Nisbet Street, Providence, RI 02906, a citizen of U.S.A., James W. MEARS, [PLEASE COMPLETE INFORMATION], a citizen of U.S.A., Donald B. POUNDER, 485 Hatchery Road, North Kingston, RI 02852, a citizen of U.S.A., Yoram RINGER, 499 Elmgrove Avenue, Providence, RI 02906, a citizen of U.S.A., hereinafter called "Assignor", have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, this application, any priority application (foreign or domestic) of this application, and all divisions, improvements and continuations thereof, and all Letters Patent of the United States which have been or may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which have been or may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, Assignor HEREBY covenant that Assignor has the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, Assignor HEREBY further covenant and agree that Assignor will, without further consideration, communicate with assignee, its successors and assigns, any facts known to Assignor respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain, enforce and maintain proper patent protection for this invention or any improvements of this invention in the United States and any foreign country in Assignee.

AND, Assignor hereby authorize and request the attorneys Assignor has empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application S.N. 10/622,631, filed on July 21, 2003) the filing date and application number of said application when known.

**WORLDWIDE ASSIGNMENT (Continued)**

Attorney Docket No. 052250-5003

IN TESTIMONY WHEREOF, I have hereunto set my hand.

**Manuel R. SILVA, Jr.,**  
Full Name of First Assignor

*Manuel R. Silva*  
First Assignor's Signature

25 Feb 2004  
Date of Execution

State of Rhode Island )  
  )  
City of                                    )

Before me this 25<sup>th</sup> day of February, 2004, personally appeared **Manuel R. SILVA, Jr.**, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

[SEAL]

*Grandelyn A. Chair*  
NOTARY PUBLIC *Commission Expires 11/28/05*

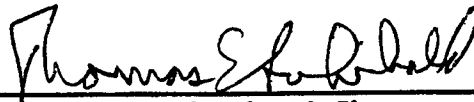
Names of additional Inventors attached?  YES     NO

**WORLDWIDE ASSIGNMENT (Continued)**

Attorney Docket No. 052250-5003

IN TESTIMONY WHEREOF, I have hereunto set my hand.

**Thomas E. ARCHIBALD**  
Full Name of Second Assignor



Second Assignor's Signature

2-24-04

Date of Execution

State of Rhode Island )

County of )

Before me this 24<sup>th</sup> day of February, 2004, personally appeared **Thomas E. ARCHIBALD** to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

[SEAL]

  
NOTARY PUBLIC *My Comm. #3172 Expires 11/28/05*

Names of additional Inventors attached? [ ] YES [X] NO

**WORLDWIDE ASSIGNMENT (Continued)**

Attorney Docket No. 052250-5003

IN TESTIMONY WHEREOF, I have hereunto set my hand.

**James W. MEARS**  
Full Name of Third Assignor

James W. Mears  
Third Assignor's Signature

2-26-04  
Date of Execution

State of Rhode Island )  
  )  
City of                                    )

Before me this 26<sup>th</sup> day of February, 2004, personally appeared **James W. MEARS** to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

[SEAL] Guendolen A. DiMichele  
NOTARY PUBLIC My Commission Expires 11/28/05

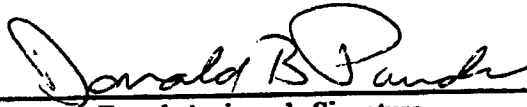
Names of additional Inventors attached?  YES     NO

**WORLDWIDE ASSIGNMENT (Continued)**

Attorney Docket No. 052250-5003

IN TESTIMONY WHEREOF, I have hereunto set my hand.

**Donald B. POUNDER**  
Full Name of Fourth Assignor



Fourth Assignor's Signature

Feb 27, 2004

Date of Execution

State of Rhode Island )

City of )

Before me this 27<sup>th</sup> day of February, 2004, personally appeared **Donald D. POUNDER** to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

[SEAL]

  
NOTARY PUBLIC *my Comm. expires 11/25/05*

Names of additional Inventors attached?  YES     NO

**WORLDWIDE ASSIGNMENT (Continued)**

Attorney Docket No. 052250-5003

IN TESTIMONY WHEREOF, I have hereunto set my hand.

**Yoram RINGER**  
Full Name of Fifth Assignor

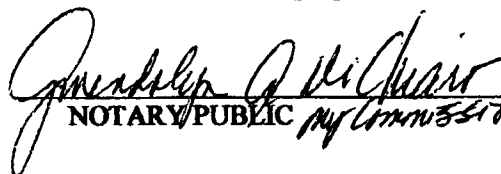
  
Fifth Assignor's Signature

04/25/04  
Date of Execution

State of Rhode Island )  
  )  
City of                                    )

Before me this 25<sup>th</sup> day of September, 2004, personally appeared **Yoram RINGER** to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

[SEAL]

  
NOTARY PUBLIC My Commission Expires 11/08/05

Names of additional Inventors attached? [ ] YES [X] NO