

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5163085

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TYCO FIRE & SECURITY GMBH	09/27/2018
RECEIVING PARTY DATA	
Name:	TYCO FIRE PRODUCTS
Street Address:	1400 PENNBROOK PARKWAY
City:	LANSDALE
State/Country:	PENNSYLVANIA
Postal Code:	19446
PROPERTY NUMBERS Total: 5	
Property Type	Number
Patent Number:	9990824
Application Number:	15105308
Patent Number:	9990825
Application Number:	15966562
Application Number:	15973001
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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Address Line 1:	1467 ELMWOOD AVE
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ATTORNEY DOCKET NUMBER:	F-FD-00084 US
NAME OF SUBMITTER:	EFROSYNI IOSIPHIDIS
SIGNATURE:	/EFROSYNI IOSIPHIDIS/
DATE SIGNED:	09/27/2018
Total Attachments: 26	

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Exhibit A | ASSIGNMENT OF PATENT RIGHTS

Tyco Fire & Security GmbH, a Swiss limited liability company registered under the number CHE-469.016.289, whose registered seat is at Victor von Bruns-Strasse 21, 8212 Neuhausen am Rheinfall, Switzerland (“Assignor”) hereby assigns and transfers all of its right, title and interest in the attached patents and patent applications, including all rights of priority and continuation, divisional, reissue, reexamination, renewal, extensions, substitute, and other filings in any country, and including the rights to recover all damages for infringements including damages by reason of past, present, or future infringement or any other violation of patent or patent application rights and the rights to enforce them in relation to infringements occurring before or after the effective date of this assignment, in any country and in any court, and including the right to bring, make, oppose, defend, appeal proceedings, claims or actions in any court anywhere in the world and obtain relief (and to retain any damages recovered) in respect of any infringement, or any other cause of action arising from ownership of any of the attached patents and patent applications (including without limitation all divisional and other filings in any country) whether occurring before, on or after the effective date of this assignment, in consideration of Ten Dollars (\$10.00), and other good and valuable compensation, the receipt of which is hereby acknowledged, to **Tyco Fire Products LP**, a Delaware limited partnership at 1400 Pennbrook Parkway, Lansdale, Pennsylvania 19446, United States of America (“Assignee”) and hereby authorizes Assignee to record or have recorded the assignment/transfer of such rights with the relevant patent offices and authorities, including the change of ownership.

[Signatures on the Next Page]

Date: September 27, 2018

Executed as of the date written first written above.

TYCO FIRE & SECURITY GmbH



James Graham
Managing Director

Tyco Fire Products LP

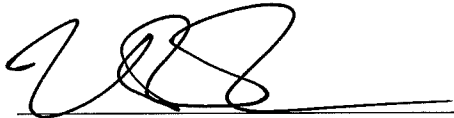
Michael R. Peterson
Vice President

Date: September 27, 2018

TYCO FIRE & SECURITY GmbH

James Graham
Managing Director

Tyco Fire Products LP

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke at the end, positioned above a horizontal line.

Michael R. Peterson
Vice President

ASSIGNED PATENTS AND PATENT APPLICATIONS:

FILE #	COUNTRY	STATUS	APPLICATION #	DATE FILED	PATENT #	GRANT DATE	TITLE
F-FD-00084-EP-01	EP	Published	14825187.9	Dec 17, 2014			System And Method For Detecting Fire Location
F-FD-00084-EP-02	EP	Published	14824929.5	Dec 17, 2014			System And Method For Monitoring And Suppressing Fire
F-FD-00084-EP-03	EP	Published	14825188.7	Dec 17, 2014			System And Method For Detecting And Suppressing Fire Using Wind Information
F-FD-00084-PRO-	US	Expired	64/916,917	Dec 17, 2013			Directionally Intelligent Firefighting System
F-FD-00084-US-01	US	Issued	15/105,304	Dec 17, 2014	9990824	Jun 5, 2018	System And Method For Detecting Fire Location
F-FD-00084-US-02	US	Published	15/105,308	Dec 17, 2014			System And Method For Monitoring And Suppressing Fire
F-FD-00084-US-03	US	Issued	15/105,311	Dec 17, 2014	9990825	Jun 5, 2018	System And Method For Detecting And Suppressing Fire Using Wind Information
F-FD-00084-US-04	US	Pending	15/966,562	Apr 30, 2018			System And Method For Detecting Fire Location
F-FD-00084-US-05	US	Pending	15/973,001	May 7, 2018			System And Method For Detecting And Suppressing Fire Using Wind Information
F-FD-00084-WO-01	PCT	Completed	PCT/IB2014/066987	Dec 17, 2014			System And Method For Detecting Fire Location
F-FD-00084-WO-02	PCT	Completed	PCT/IB2014/066988	Dec 17, 2014			System And Method For Monitoring And Suppressing Fire
F-FD-00084-WO-03	PCT	Completed	PCT/IB2014/066989	Dec 17, 2014			System And Method For Detecting And Suppressing Fire Using Wind Information
F-WR-00008-00 AE	AE	Pending	P820/16	Dec 23, 2014			Controlled System and Methods for Storage Fire Protection
F-WR-00008-00 AU	AU	Pending	2014369873	Dec 23, 2014			
F-WR-00008-00 BR	BR	Abandoned	BR112016014763-4	Dec 23, 2014			
F-WR-00008-00 CA	CA	Pending	2,934,680	Dec 23, 2014			
F-WR-00008-00 CL	CL	Abandoned	01618-2016	Dec 23, 2014			
F-WR-00008-00 CN	CN	Published	201480075537.2	Dec 23, 2014			
F-WR-00008-00 EG	EG	Pending	1069/2016	Dec 23, 2014			
F-WR-00008-00 EP	EP	Pending	14827683.5	Dec 23, 2014			
F-WR-00008-00 IL	IL	Pending	246323	Dec 23, 2014			
F-WR-00008-00 IN	IN	Pending	201647022874	Dec 23, 2014			
F-WR-00008-00 JP	JP	Abandoned	2016-543146	Dec 23, 2014			
F-WR-00008-00 KR	KR	Published	10-2016-7020212	Dec 23, 2014			
F-WR-00008-00 NZ	NZ	Pending	722364	Dec 23, 2014			
F-WR-00008-00 RU	RU	Pending	2016130279	Dec 23, 2014			

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FILE #	COUNTRY	STATUS	APPLICATION #	DATE FILED	PATENT #	GRANT DATE	TITLE
F-WR-00008-00 SA	SA	Pending	516371393	Dec 23, 2014			
F-WR-00008-00 SG	SG	Abandoned	11201604999R	Dec 23, 2014			
F-WR-00008-00 TH	TH	Pending	1601003718	Dec 23, 2014			
F-WR-00008-00 US	US	Published	15/107,049	Jun 21, 2016			
F-WR-00008-00 US PRO	US	Expired	61/920,274	Dec 23, 2013			
F-WR-00008-00 WO	PCT	Completed	PCT/US2014/72246	Dec 23, 2014			
F-WR-00008-00 ZA	ZA	Pending	2016/04489	Dec 23, 2014			
F-WR-00018-AU-00	AU	Abandoned	2015266907	May 28, 2015			Sprinkler Installation Tools And Methods
F-WR-00018-CA-00	CA	Pending	2,950,747	May 28, 2015			
F-WR-00018-CN-00	CN	Pending	201580036906.1	May 28, 2015			
F-WR-00018-EP-00	EP	Published	15727272.5	May 28, 2015			
F-WR-00018-HK	HK	Pending	17110030.2	Oct 4, 2017			
F-WR-00018-PRO-00	US	Expired	62/005,777	May 30, 2014			
F-WR-00018-PRO-01	US	Expired	62/068,442	Oct 24, 2014			
F-WR-00018-PRO-02	US	Expired	62/107,917	Jan 26, 2015			
F-WR-00018-US-03	US	Published	15/314,622	Nov 29, 2016			
F-WR-00018-WO-00	PCT	Completed	PCT/US15/32976	May 28, 2015			Coat-In-Place Assemblies And Methods To Provide An Aesthetically Pleasing Sprinkler Assembly And Methods
F-WR-00019-AE-00	AE	Pending	P1222/16	May 28, 2015			
F-WR-00019-AU-00	AU	Published	2015266911	May 28, 2015			
F-WR-00019-BR-00	BR	Abandoned	BR112016028059-8	May 28, 2015			
F-WR-00019-CA-00	CA	Pending	2,950,753	May 28, 2015			
F-WR-00019-CN-00	CN	Published	201580036832.1	May 28, 2015			
F-WR-00019-EP-00	EP	Published	15730582.2	May 28, 2015			
F-WR-00019-HK	HK	Pending	17110031.1	Oct 4, 2017			
F-WR-00019-IL-00	IL	Pending	249241	May 28, 2015			
F-WR-00019-KR-00	KR	Published	10-2016-7036571	May 28, 2015			Aesthetic Sprinkler
F-WR-00019-PRO-	US	Expired	62/005,800	May 30, 2014			Coat-In-Place Assemblies And Methods To Provide An Aesthetically Pleasing Sprinkler Assembly And Methods
F-WR-00019-RU-00	RU	Abandoned	2016151787	May 28, 2015			
F-WR-00019-SA-00	SA	Pending	516380403	May 28, 2015			
F-WR-00019-SG-00	SG	Pending	11201610039T	May 28, 2015			
F-WR-00019-US-01	US	Issued	14/538,500	Nov 11, 2014	9616450	Apr 11, 2017	Coat-In-Place Assemblies And Methods To Provide An Aesthetically Pleasing Sprinkler Assembly
F-WR-00019-US-02	US	Issued	14/992,311	Jan 11, 2016	9931660	Apr 3, 2018	

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FILE #	COUNTRY	STATUS	APPLICATION #	DATE FILED	PATENT #	GRANT DATE	TITLE
F-WR-00019-WO-00	PCT	Completed	PCT/US2015/32981	May 28, 2015			Coat-In-Place Assemblies And Methods To Provide An Aesthetically Pleasing Sprinkler Assembly And Methods
F-WR-00031-00 AE	AE	Pending	P1249/16	Jun 9, 2015			Controlled System and Methods for Storage Fire Protection
F-WR-00031-00 AU	AU	Pending	2015274770	Jun 9, 2015			
F-WR-00031-00 BR	BR	Pending	BR112016028873-4	Jun 9, 2015			
F-WR-00031-00 CA	CA	Pending	2,951,703	Jun 9, 2015			
F-WR-00031-00 CL	CL	Pending	3176-2016	Jun 9, 2015			
F-WR-00031-00 CN	CN	Pending	201580042353.0	Jun 9, 2015			
F-WR-00031-00 EG	EG	Abandoned	2005/2016	Jun 9, 2015			
F-WR-00031-00 EP	EP	Pending	15730628.3	Jun 9, 2015			
F-WR-00031-00 IL	IL	Pending	249459	Jun 9, 2015			
F-WR-00031-00 IN	IN	Published	201747000366	Jun 9, 2015			
F-WR-00031-00 JP	JP	Published	2016-572576	Jun 9, 2015			
F-WR-00031-00 KR	KR	Published	10-2017-7000629	Jun 9, 2015			
F-WR-00031-00 NZ	NZ	Pending	728111	Jun 9, 2015			
F-WR-00031-00 RU	RU	Pending	2016152276	Jun 9, 2015			
F-WR-00031-00 SA	SA	Pending	516380463	Jun 9, 2015			
F-WR-00031-00 SG	SG	Pending	11201610370Y	Jun 9, 2015			
F-WR-00031-00 TH	TH	Pending	1601007345	Jun 9, 2015			
F-WR-00031-00 TW	TW	Unfiled					
F-WR-00031-00 US	US	Pending	15/317,524	Dec 9, 2016			
F-WR-00031-00 US PRO	US	Expired	62/009,778	Jun 9, 2014			
F-WR-00031-00 WO	PCT	Completed	PCT/US15/34951	Jun 9, 2015			
F-WR-00031-00 ZA	ZA	Pending	2017-00146	Jun 9, 2015			
R-FP(FM)-00096-AU	AU	Issued	20111318564	Oct 17, 2011	2011318564	Feb 4, 2016	Focused Stream, Aerated Foam Projecting Nozzle Including Fixed Wand System And Method As Well As Possibly Portable Center Pointing Nozzle
R-FP(FM)-00096-AU-01	AU	Issued	2015264933	Oct 17, 2011	2015264933	Jun 8, 2017	
R-FP(FM)-00096-BR	BR	Pending	BR112013009691-8	Oct 17, 2011			
R-FP(FM)-00096-CA	CA	Issued	2,815,178	Oct 17, 2011	2815178	Jun 13, 2017	
R-FP(FM)-00096-CA-DIV	CA	Pending	2,946,845	Oct 17, 2011			
R-FP(FM)00096-CN	CN	Pending	201180061170.5	Oct 17, 2011			
R-FP(FM)-00096-EP	EP	Published	11834750.9	Oct 17, 2011			
R-FP(FM)-00096-EP-01	EP	Published	16156990.0	Oct 17, 2011			
R-FP(FM)-00096-GC	GCC	Abandoned	19556	Oct 19, 2011			
R-FP(FM)-00096-IN	IN	Published	3004/CHEMP/2013	Oct 17, 2011			

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FILE #	COUNTRY	STATUS	APPLICATION #	DATE FILED	PATENT #	GRANT DATE	TITLE
R-FP(FM)-00096-JP	JP	Issued	2013-534890	Oct 17, 2011	6117103	Mar 31, 2017	Focused Stream, Aerated Foam Projecting Nozzle Including Fixed Wand System And Method As Well As Possibly Portable Center Pointing Nozzle
R-FP(FM)-00096-MX	MX	Published	MX/a/2013/004422	Oct 17, 2011			
R-FP(FM)-00096-MX-02	MX	Pending	MX/a/2015/008765	Oct 17, 2011			
R-FP(FM)-00096-PRO-00	US	Expired	61/455,367	Oct 19, 2010			Rapid Tank Response, Equipment And Methodology
R-FP(FM)-00096-US-01	US	Published	13/261,639	Oct 17, 2011			Focused Stream, Aerated Foam Projecting Nozzle Including Fixed Wand System And Method As Well As Possibly Portable Center Pointing Nozzle
R-FP(FM)-00096-US-02	US	Published	15/475,535	Mar 31, 2017			
R-FP(FM)-00096-US-03	US	Published	15/475,429	Mar 31, 2017			
R-FP(FM)-00096-US-04	US	Pending	15/474,108	Mar 30, 2017			
R-FP(FM)-00096-VE	VE	Published	2011-001372	Oct 19, 2011			
R-FP(FM)-00096-WO	PCT	Completed	PCT/US11/01769	Oct 17, 2011			
R-FP(FM)-00097-AO	AO	Pending	2487	Dec 6, 2011			Swivel With Or For Hydrant Manifold For Industrial Fire Fighting
R-FP(FM)-00097-AU	AU	Issued	2011338988	Dec 6, 2011	2011338988	Mar 31, 2016	
R-FP(FM)-00097-AU-01	AU	Issued	2016200486	Dec 6, 2011	2016200486	Feb 22, 2018	
R-FP(FM)-00097-BR	BR	Published	BR112013014383-5	Dec 6, 2011			
R-FP(FM)-00097-CA	CA	Pending	2,820,190	Dec 6, 2011			
R-FP(FM)-00097-CN	CN	Pending	201180065309.3	Dec 6, 2011			
R-FP(FM)-00097-CN-DIV	CN	Pending		Dec 6, 2011			
R-FP(FM)-00097-EP	EP	Published	11847034.3	Dec 6, 2011			Swivel With Or For Hydrant Manifold For Industrial Fire Fighting
R-FP(FM)-00097-GC	GCC	Issued	19950	Dec 10, 2011	GC0004797	Jan 25, 2017	Swivel Hydrant Manifold For Industrial Fire Fighting
R-FP(FM)-00097-IN	IN	Published	4362/CHEMP/2013	Dec 6, 2011			Swivel With Or For Hydrant Manifold For Industrial Fire Fighting
R-FP(FM)-00097-JP	JP	Issued	2013-543153	Dec 6, 2011	JP6199741 B	Sep 1, 2017	
R-FP(FM)-00097-JP-DIV	JP	Pending		Dec 6, 2011			
R-FP(FM)-00097-MX	MX	Issued	MX/a/2013/006535	Dec 6, 2011	338453	Apr 18, 2016	
R-FP(FM)-00097-MX-01	MX	Pending	MX/a/2016/003640	Dec 6, 2011			
R-FP(FM)-00097-NG	NG	Issued	NG/C/2013/419	Dec 6, 2011	001759	Mar 4, 2016	
R-FP(FM)-00097-PRO-00	US	Expired	61/459,232	Dec 9, 2010			Swivel Hydrant Manifold For Industrial Fire Fighting

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FILE #	COUNTRY	STATUS	APPLICATION #	DATE FILED	PATENT #	GRANT DATE	TITLE
R-FP(FM)-00097-US-01	US	Published	13/261,668	Jun 4, 2013			Swivel With Or For Hydrant Manifold For Industrial Fire Fighting
R-FP(FM)-00097-WO	PCT	Completed	PCT/US2011/001960	Dec 6, 2011			
R-FP(FM)-00097-ZA	ZA	Pending	2013/04078	Dec 6, 2011			
R-FP(ME)-00169-AR-00	AR	Abandoned					
R-FP(ME)-00169-EP-00	EP	Published	14708537.7	Mar 6, 2014			Three Piece Pipe Coupling
R-FP(ME)-00169-PRO-	US	Expired	61/774,409	Mar 7, 2013			
R-FP(ME)-00169-TW-00	TW	Published	20140108022	Mar 7, 2014			
R-FP(ME)-00169-US-01	US	Published	14/772,869	Mar 6, 2014			
R-FP(ME)-00169-VE-00	VE	Abandoned					
R-FP(ME)-00169-WO-00	PCT	Completed	PCT/EP2014/054377	Mar 6, 2014			
R-FP-00073-AU	AU	Issued	1999011933	Oct 21, 1998	745869	Oct 21, 1998	Improved Dual Agent Method For Extinguishing Fire
R-FP-00073-CA	CA	Abandoned	2,309,046	Oct 21, 1998			Improved Dual Agent Method For Extinguishing Fire
R-FP-00073-DE	DE	Abandoned	698 31 006.3	Oct 21, 1998	EP1024862	Jul 27, 2005	Dual Agent Method For Extinguishing Fire
R-FP-00073-EP	EP	Issued	98955034.8	Oct 21, 1998	EP1024862	Jul 27, 2005	
R-FP-00073-ES	ES	Issued	98955034.8	Oct 21, 1998	EP1024862	Jul 27, 2005	
R-FP-00073-GB	GB	Issued	98955034.8	Oct 21, 1998	EP1024862	Jul 27, 2005	
R-FP-00073-MX	MX	Issued	PA/a/2000/003907	Oct 21, 1998	220259	May 6, 2004	
R-FP-00073-PT	PT	Issued	98955034.8	Oct 21, 1998	EP1024862	Jul 27, 2005	
R-FP-00073-SG	SG	Issued	2000021899	Oct 21, 1998	72430	May 21, 2002	
R-FP-00073-US	US	Expired	08/956,854	Oct 23, 1997	6065545	May 23, 2000	
R-FP-00073-VE	VE	Pending	1998-002356	Oct 23, 1998			
R-FP-00073-WO	PCT	Completed	PCT/US1998/022288	Oct 21, 1998			Improved Dual Agent Method For Extinguishing Fire
R-FP-00074-AU	AU	Abandoned	1998095088	Sep 25, 1998	745992	Sep 25, 1998	Improved Fire Fighting Nozzle And Method Including Pressure Regulation, Chemical And Education Features
R-FP-00074-AU-01	AU	Abandoned	2000277235	Sep 27, 2000	2000277235	Oct 8, 2006	
R-FP-00074-CA	CA	Issued	2,327,476	Sep 25, 1998	2327476	Aug 17, 2010	
R-FP-00074-CA-01	CA	Issued	2,423,593	Sep 27, 2000	2423593	Sep 14, 2010	
R-FP-00074-CN	CN	Issued	CN1998000814104	Sep 25, 1998	1306448	Aug 1, 2001	Improved Fire Fighting Nozzle And Method Including Pressure Regulation, Chemical Products And Education Appts
R-FP-00074-CN-01	CN	Abandoned	CN2000000819991	Sep 27, 2000	CN1455706T	Nov 12, 2003	Improved Fire Fighting Nozzle And Method Including Pressure Regulation, Chemical And Education Features
R-FP-00074-DE	DE	Issued	698 41 335.0	Sep 25, 1998	EP1069929	Nov 25, 2009	

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FILE #	COUNTRY	STATUS	APPLICATION #	DATE FILED	PATENT #	GRANT DATE	TITLE
R-FP-00074-DE-01	DE	Issued	600 44 949 1	Sep 27, 2000	EP1328353	Sep 8, 2010	
R-FP-00074-EP	EP	Abandoned	98948538.8	Sep 25, 1998	EP1069929	Nov 25, 2009	
R-FP-00074-EP-01	EP	Abandoned	2000966967	Sep 27, 2000	EP1328353	Sep 8, 2010	
R-FP-00074-ES	ES	Issued	98948538.8	Sep 25, 1998	EP1069929	Nov 25, 2009	
R-FP-00074-ES-01	ES	Abandoned	00966967.2	Sep 27, 2000	EP1328353	Sep 8, 2010	
R-FP-00074-FR-01	FR	Issued	00966967.2	Sep 27, 2000	EP1328353	Sep 8, 2010	
R-FP-00074-GB	GB	Issued	98948538.8	Sep 25, 1998	EP1069929	Nov 25, 2009	
R-FP-00074-GB-01	GB	Issued	00966967.2	Sep 27, 2000	EP1328353	Sep 8, 2010	
R-FP-00074-IE-01	IE	Issued	00966967.2	Sep 27, 2000	EP1328353	Sep 8, 2010	
R-FP-00074-IT-01	IT	Issued	00966967.2	Sep 27, 2000	EP1328353	Sep 8, 2010	
R-FP-00074-JP-01	JP	Issued	2002-530214	Sep 27, 2000	4889911	Mar 7, 2012	Fire Fighting Nozzle And Method Including Pressure Regulation, Chemical And Education Features
R-FP-00074-LU-01	LU	Abandoned	00966967.2	Sep 27, 2000	EP1328353	Sep 8, 2010	Improved Fire Fighting Nozzle And Method Including Pressure Regulation, Chemical And Education Features
R-FP-00074-MX	MX	Issued	PA/a/2000/009763	Sep 25, 1998	226892	Mar 23, 2005	
R-FP-00074-MX-01	MX	Issued	PA/a/2003/002675	Sep 27, 2000	286557	May 10, 2011	
R-FP-00074-NL-01	NL	Issued	00966967.2	Sep 27, 2000	EP1328353	Sep 8, 2010	Improved Fire Fighting Nozzle And Method Including Pressure Regulation, Chemical And Education Features
R-FP-00074-NO-01	NO	Abandoned	20031169	Sep 27, 2000			Through The Pump Foam System
R-FP-00074-PRO-	US	Expired	60/049,537	Jun 13, 1997			
R-FP-00074-PRO-00	US	Expired	60/080,846				
R-FP-00074-SE-01	SE	Issued	00966967.2	Sep 27, 2000	EP1328353	Sep 8, 2010	Improved Fire Fighting Nozzle And Method Including Pressure Regulation, Chemical And Education Features
R-FP-00074-SG-01	SG	Issued	2003016565	Sep 27, 2000	95816	Jun 30, 2005	
R-FP-00074-US-01	US	Expired	09/096,798	Jun 12, 1998	6138767	Oct 31, 2000	Through The Pump Foam System
R-FP-00074-US-02	US	Issued	09/284,561	Sep 25, 1998	6749027	Jun 15, 2004	Fire Fighting Nozzle And Method Including Pressure Regulation, Chemical And Education Features
R-FP-00074-US-03	US	Issued	09/593,360	Jun 14, 2000	7140552	Nov 28, 2006	System For Automatic Self-Proportioning Of Foam Concentrate Into Fire Fighting Fluid Variable Flow Conduit
R-FP-00074-US-04	US	Issued	09/648,351	Aug 25, 2000	6659187	Dec 9, 2003	Self Metering Foam Proportioning System
R-FP-00074-US-05	US	Issued	10/145,341	May 14, 2002	7048207	May 23, 2006	Fire Fighting Nozzle And Method Including Pressure Regulation, Chemical And Education Features

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FILE #	COUNTRY	STATUS	APPLICATION #	DATE FILED	PATENT #	GRANT DATE	TITLE
R-FP-00074-US-06	US	Issued	10/380,750	Sep 27, 2000	7784709	Aug 31, 2010	
R-FP-00074-US-07	US	Issued	10/677,900	Oct 2, 2003	7464766	Dec 16, 2008	Ranger/Hybrid Automatic Self-Metering Nozzle, With Ratio-Selectable And Flow Meter Features
R-FP-00074-US-08	US	Issued	11/292,776	Dec 2, 2005	8002203	Aug 23, 2011	Fire Fighting Nozzle And Method Including Pressure Regulation, Chemical And Education Features
R-FP-00074-WO	PCT	Completed	PCT/US2000/026568	Sep 27, 2000			Improved Fire Fighting Nozzle And Method Including Pressure Regulation, Chemical And Education Features
R-FP-00074-WO-01	PCT	Completed	PCT/US1998/020061	Sep 25, 1998			
R-FP-00075-DE	DE	Published	05 25 684.1.7	Nov 4, 2005			Selectable Fixed Flow Large Scale Fire Fighting Nozzle With Selectable Additive Proportioning And Light Weight Cost Effective Construction
R-FP-00075-DK	DK	Published	05256841.7	Nov 4, 2005			
R-FP-00075-EP	EP	Published	05256841.7	Nov 4, 2005			
R-FP-00075-US	US	Issued	10/981,897	Nov 4, 2004	7207391	Apr 24, 2007	
R-FP-00077-AU	AU	Issued	1999026981	May 6, 1999	743170	May 6, 1999	Poly-Perfluoroalkyl Substituted Polyamines As Grease Proofing Agents For Paper And Foam Stabilizers In Aqueous Fire-Fighting Foams
R-FP-00077-CA	CA	Issued	2,271,333	May 6, 1999	2271333	Jan 5, 2010	
R-FP-00077-CA-01	CA	Issued	2,646,774	May 6, 1999	2646774	Apr 6, 2010	
R-FP-00077-CN	CN	Issued	99106370.8	May 10, 1999	1130241 C	Dec 10, 2003	
R-FP-00077-DE	DE	Issued	DE19996025330	Nov 10, 1999	DE69925330T2	Jan 19, 2006	Perfluoroalkylsubstituierte Polyamine Als Fett-Abweisende Agentien Für Papier Und Schaumstabilisierungsmittel In Wässrigen Feuerlösch-Schäumen
R-FP-00077-EP	EP	Issued	99810366.7	Apr 30, 1999	EP0955327	May 18, 2005	Poly-Perfluoroalkyl Substituted Polyamines As Grease Proofing Agents For Paper And Foam Stabilizers In Aqueous Fire-Fighting Foams
R-FP-00077-ES	ES	Issued	99810366.7	Apr 30, 1999	EP0955327	May 18, 2005	
R-FP-00077-FR	FR	Issued	99810366.7	Apr 30, 1999	EP0955327	May 18, 2005	
R-FP-00077-GB	GB	Issued	99810366.7	Apr 30, 1999	EP0955327	May 18, 2005	
R-FP-00077-JP	JP	Issued	1999-128008	May 10, 1999	4353580	Oct 28, 2009	
R-FP-00077-KR	KR	Abandoned	1019990016435	May 8, 1999			
R-FP-00077-PRO-	US	Expired	60/084,815	May 8, 1998			
R-FP-00077-US-01	US	Issued	09/234,251	Jan 20, 1999	6156222	Dec 5, 2000	
R-FP-00077-US-02	US	Issued	09/687,972	Oct 16, 2000	6365676	Apr 2, 2002	

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FILE #	COUNTRY	STATUS	APPLICATION #	DATE FILED	PATENT #	GRANT DATE	TITLE
R-FP-00078-AL	AL	Closed	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	Perfluoroalkyl-Substituted Amino Acid Oligomers Or Polymers And Their Use As Foam Stabilizers In Aqueous Fire-Fighting-Foam Agents And As Oil Repellent Paper And Textile Finishes
R-FP-00078-AT	AU	Issued	AT20000901081T	Jan 11, 2000	E289327	Feb 16, 2005	
R-FP-00078-AU	AU	Abandoned	2000021070	Jul 5, 2001			
R-FP-00078-BE	BE	Abandoned	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-BR	BR	Abandoned	BR2000PI07669	Jul 5, 2001			
R-FP-00078-CA	CA	Issued	2,358,842	Jan 11, 2000	2358842	Sep 29, 2009	
R-FP-00078-CH	CH	Issued	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-CN	CN	Issued	00802972.5	Jan 11, 2000	1211417 C	Jul 20, 2005	
R-FP-00078-CY	CY	Abandoned	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-DE	DE	Issued	DE20006018167	Jan 11, 2000	60018167 T2	Mar 30, 2006	
R-FP-00078-DK	DK	Abandoned	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-EP	EP	Issued	00901081.0	Jan 11, 2000	EP1153061	Feb 16, 2005	
R-FP-00078-ES	ES	Issued	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-FI	FI	Abandoned	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-FR	FR	Issued	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-GB	GB	Issued	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-GR	GR	Abandoned	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-IE	IE	Issued	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-IT	IT	Issued	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-JP	JP	Issued	2000-594852	Jan 11, 2000	4559635	Oct 13, 2010	
R-FP-00078-LI	LI	Issued	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-LT	LT	Closed	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-LU	LU	Abandoned	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-LV	LV	Closed	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-MC	MC	Abandoned	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-MK	MK	Closed	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-NL	NL	Issued	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-PRO-	US	Expired	60/116,640	Jan 21, 1999			
R-FP-00078-PT	PT	Abandoned	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-RO	RO	Closed	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-SE	SE	Abandoned	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-SI	SI	Closed	00901081.0	Jan 11, 2000	1153061	Feb 16, 2005	
R-FP-00078-TW	TW	Issued	089100795	Jan 19, 2000	166080N1	Oct 21, 2002	
R-FP-00078-US-01	US	Issued	09/484,636	Jan 18, 2000	6436306	Aug 20, 2002	
R-FP-00078-WO	PCT	Completed	PCT/EP2000/000118	Jan 11, 2000			

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R-FP-00079-AU	AU	Abandoned	2001295603	Oct 9, 2001			Mono- And Polyamides Of Perfluoroalkyl-Substituted Unsaturated Acids
R-FP-00079-BR	BR	Abandoned	BR2001PI14674	Oct 9, 2001			
R-FP-00079-CA	CA	Abandoned	2,425,160	Oct 9, 2001			
R-FP-00079-CN	CN	Abandoned	01817455.8	Oct 9, 2001			
R-FP-00079-EP	EP	Abandoned	10976289	Oct 9, 2001			
R-FP-00079-IN	IN	Abandoned	IN2003CN00686	Oct 9, 2001			
R-FP-00079-JP	JP	Abandoned	JP20020536039T	Oct 9, 2001			
R-FP-00079-MX	MX	Issued	MX2003PA03382	Oct 9, 2001	230844	Sep 27, 2005	
R-FP-00079-NZ	NZ	Issued	NZ20010525079	Oct 9, 2001	525079	Jan 12, 2006	
R-FP-00079-PRO-	US	Expired	60/240,633	Oct 16, 2000			
R-FP-00079-PRO-01	US	Expired	60/306,784	Jul 20, 2001			
R-FP-00079-TW	TW	Issued	090125374	Oct 15, 2001	204850	Jun 11, 2004	
R-FP-00079-US-02	US	Issued	09/978,156	Oct 15, 2001	6515175	Feb 4, 2003	
R-FP-00079-WO	PCT	Completed	PCT/EP2001/011647	Oct 9, 2001			
R-FP-00080-AU	AU	Issued	2004249267	Jun 18, 2004	2004249267	Jun 18, 2004	Fluorine-Free Fire Fighting Agents And Methods
R-FP-00080-CA	CA	Issued	2,527,123	Jun 18, 2004	2527123	Aug 6, 2013	
R-FP-00080-DE	DE	Issued	04776804.9	Jun 18, 2004	EP13635913	Mar 8, 2017	
R-FP-00080-EP	EP	Issued	04776804.9	Jun 18, 2004	EP1635913	Mar 8, 2017	
R-FP-00080-US	US	Issued	10/600,810	Jun 20, 2003	7005082	Feb 28, 2006	
R-FP-00080-US-01	US	Issued	11/305,554	Dec 16, 2005	7172709	Feb 6, 2007	
R-FP-00080-WO	PCT	Completed	PCT/US2004/019661	Jun 18, 2004			
R-FP-00082-AT	AT	Issued	02761329.8	Aug 9, 2002	1450902	Dec 6, 2006	Fire Extinguishing Or Retarding Material
R-FP-00082-CA	CA	Issued	2,468,436	Aug 9, 2002	2468436	Jul 12, 2011	
R-FP-00082-CH	CH	Issued	02761329.8	Aug 9, 2002	1450902	Dec 6, 2006	
R-FP-00082-DE	DE	Issued	02761329.8	Aug 9, 2002	P60216632.2	Dec 6, 2006	
R-FP-00082-EP	EP	Issued	02761329.8	Aug 9, 2002	EP1450902	Dec 6, 2006	
R-FP-00082-ES	ES	Issued	02761329.8	Aug 9, 2002	2278042	Aug 1, 2007	
R-FP-00082-FR	FR	Issued	02761329.8	Aug 9, 2002	1450902	Dec 6, 2006	
R-FP-00082-GB	GB	Issued	02761329.8	Aug 9, 2002	1450902	Dec 6, 2006	
R-FP-00082-IT	IT	Issued	02761329.8	Aug 9, 2002	1450902	Dec 6, 2006	
R-FP-00082-NL	NL	Issued	02761329.8	Aug 9, 2002	1450902	Dec 6, 2006	
R-FP-00082-PRO-	US	Expired	60/336,852	Nov 27, 2001			
R-FP-00082-US-01	US	Issued	10/213,703	Aug 6, 2002	7011763	Mar 14, 2006	
R-FP-00082-US-02	US	Issued	11/303,147	Dec 16, 2005	7135125	Nov 14, 2006	
R-FP-00082-WO	PCT	Completed	PCT/US2002/25521	Aug 9, 2002			
R-FP-00083-US	US	Issued	09/569,178	Oct 14, 1998	8261843	Sep 11, 2012	Portable Wall-Attachable Fire Fighting Apparatus And Method

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R-FP-00083-WO	PCT	Completed	PCT/US1998/21720	Oct 14, 1998			
R-FP-00084-MX	MX	Issued	PA/a/2003/004367	May 16, 2003	243473	Jan 25, 2007	Fire Fighting Method And Apparatus Deployed After Flame Collapse For Extinguishing "smiley Face"
R-FP-00084-US	US	Issued	10/147,647	May 16, 2002	8215412	Jul 10, 2012	Fire Fighting Method And Apparatus Deployed After Flame Collapse For Extinguishing "smiley Face"
R-FP-00085-US	US	Issued	10/081,419	Feb 22, 2002	8033339	Oct 11, 2011	Around-The-Pump Additive System For Industrial Scale Fire Hazards
R-FP-00086-00-US-PRO	US	Expired	60/496,494	Aug 20, 2003			
R-FP-00086-00-CY	CY	Abandoned	04781456.1	Aug 19, 2004	EP1660816	Mar 24, 2010	Dry Chemical System For Extinguishing
R-FP-00086-00-DE	DE	Issued	60 2004 026 201.3	Aug 19, 2004	EP1660816	Mar 24, 2010	Difficult Fuel Or Flammable Liquid Fires In An Industrial Tank With A Roof Creating A Space Above The Liquid
R-FP-00086-00-EP	EP	Issued	04781456.1	Aug 19, 2004	EP1660816	Mar 24, 2010	
R-FP-00086-00-ES	ES	Issued	04781456.1	Aug 19, 2004	EP1660816	Mar 24, 2010	
R-FP-00086-00-FR	FR	Issued	04781456.1	Aug 19, 2004	EP1660816	Mar 24, 2010	
R-FP-00086-00-GB	GB	Issued	04781456.1	Aug 19, 2004	EP1660816	Mar 24, 2010	
R-FP-00086-00-HU	HU	Abandoned	04781456.1	Aug 19, 2004	EP1660816	Mar 24, 2010	
R-FP-00086-00-JP	JP	Issued	2007-527905	Aug 12, 2005	5229939	Mar 29, 2013	Improved System For Extinguishing Flammable Liquid Fire In An Industrial Storage Tank Having A Roof Creating A Space Above The Liquid
R-FP-00086-00-LU	LU	Abandoned	04781456.1	Aug 19, 2004	EP1660816	Mar 24, 2010	
R-FP-00086-00-MX	MX	Abandoned	PA/a/2006/001979	Aug 19, 2004			
R-FP-00086-00-NL	NL	Issued	04781456.1	Aug 19, 2004	EP1660816	Mar 24, 2010	Dry Chemical System For Extinguishing Difficult Fuel Or Flammable Liquid Fires In An Industrial Tank With A Roof Creating A Space Above The Liquid
R-FP-00086-00-PL	PL	Issued	04781456.1	Aug 19, 2004	EP1660816	Mar 24, 2010	Dry Chemical System For Extinguishing Difficult Fuel Or Flammable Liquid Fires In An Industrial Tank With A Roof Creating A Space Above The Liquid
R-FP-00086-00-TR	TR	Closed	04781456.1	Aug 19, 2004	EP1660816	Mar 24, 2010	
R-FP-00086-00-WO	PCT	Completed	PCT/US2004/26762	Aug 19, 2004			
R-FP-00086-01-US-PRO	US	Expired	60/538,021	Jan 21, 2004			Dry Chemical System For Extinguishing Difficult Fuel Or Flammable Liquid Fires In A Storage Tank With A Fixed Roof

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R-FP-00086-01-CA	CA	Issued	2,577,393	Aug 12, 2005	2577393	Oct 14, 2014	Improved System For Extinguishing Flammable Liquid Fire In An Industrial Storage Tank Having A Roof Creating A Space Above The Liquid
R-FP-00086-01-CH	CH	Abandoned	09165461.6	Aug 19, 2004	EP2108407	Oct 6, 2010	
R-FP-00086-01-CY	CY	Abandoned	09165461.6	Aug 19, 2004	EP2108407	Oct 6, 2010	Dry Chemical System For Extinguishing
R-FP-00086-01-DE	DE	Issued	60 2004 029 522.1	Aug 19, 2004	EP2108407	Oct 6, 2010	Difficult Fuel Or Flammable Liquid Fires In An Industrial Tank With A Roof Creating A Space Above The Liquid
R-FP-00086-01-EP	EP	Issued	09165461.6	Aug 19, 2004	EP2108407	Oct 6, 2010	Above The Liquid
R-FP-00086-01-ES	ES	Issued	09165461.6	Aug 19, 2004	EP2108407	Oct 6, 2010	
R-FP-00086-01-FR	FR	Issued	09165461.6	Aug 19, 2004	EP2108407	Oct 6, 2010	
R-FP-00086-01-GB	GB	Issued	09165461.6	Aug 19, 2004	EP2108407	Oct 6, 2010	
R-FP-00086-01-GR	GR	Issued	09165461.6	Aug 19, 2004	EP2108407	Oct 6, 2010	
R-FP-00086-01-HU	HU	Abandoned	09165461.6	Aug 19, 2004	EP2108407	Oct 6, 2010	
R-FP-00086-01-IE	IE	Issued	09165461.6	Aug 19, 2004	EP2108407	Oct 6, 2010	
R-FP-00086-01-IT	IT	Issued	09165461.6	Aug 19, 2004	EP2108407	Oct 6, 2010	
R-FP-00086-01-JP	JP	Issued	2011-281160	Aug 12, 2005	JP5389895	Oct 18, 2013	Improved System For Extinguishing Flammable Liquid Fire In An Industrial Storage Tank Having A Roof Creating A Space Above The Liquid
R-FP-00086-01-LU	LU	Abandoned	09165461.6	Aug 19, 2004	EP2108407	Oct 6, 2010	Dry Chemical System For Extinguishing Difficult Fuel Or Flammable Liquid Fires In An Industrial Tank With A Roof Creating A Space Above The Liquid
R-FP-00086-01-MC	MC	Abandoned	09165461.6	Aug 19, 2004	EP2108407	Oct 6, 2010	
R-FP-00086-01-NL	NL	Issued	09165461.6	Aug 19, 2004	EP2108407	Oct 6, 2010	
R-FP-00086-01-PL	PL	Issued	09165461.6	Aug 19, 2004	EP2108407	Oct 6, 2010	
R-FP-00086-01-TR	TR	Issued	09165461.6	Aug 19, 2004	EP2108407	Oct 6, 2010	
R-FP-00086-01-WO	PCT	Completed	PCT/US2005/28946	Aug 12, 2005			Improved System For Extinguishing Flammable Liquid Fire In An Industrial Storage Tank Having A Roof Creating A Space Above The Liquid
R-FP-00086-02 US	US	Abandoned	10/568,520	Aug 19, 2004			Dry Chemical System For Extinguishing Difficult Fuel Or Flammable Liquid Fires In A Storage Tank With A Fixed Roof
R-FP-00086-03-GB	GB	Issued	GB0703173.5	Aug 25, 2005	GB2431873	Dec 15, 2009	Improved Extinguishing Flammable Liquid Fire In An Industrial Storage Tank

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R-FP-00086-03-US	US	Issued	11/659,934	Aug 12, 2005	9446268	Sep 20, 2016	Extinguishing Flammable Liquid Fire In An Industrial Storage Tank
R-FP-00087-JP	JP	Issued	2008-525150	Aug 20, 2006	5015927	Jun 15, 2012	Methods For Treating Plunge Zone, Heavy Liquid, Large Tank, Structural Impediment And Timing Issues When Extinguishing Tank Fires
R-FP-00087-MX	MX	Issued	MX/a/2008/001631	Aug 2, 2006	318272	Mar 4, 2014	Methods For Treating Plunge Zone, Heavy Liquid, Large Tank, Structural Impediment And Timing Issues When Extinguishing Tank Fires
R-FP-00087-US	US	Issued	11/196,882	Aug 4, 2005	8424612	Apr 23, 2013	Methods For Treating "plunge Zone" Issues When Extinguishing Full Surface Liquid Tank Fires
R-FP-00087-US-01	US	Issued	11/989,406	Jan 25, 2008	8881839	Nov 11, 2014	Methods For Treating "plunge Zone," Heavy Liquid, Large Tank, Structural Impediment And Timing Issues, When Extinguishing Tank Fires
R-FP-00087-US-02	US	Issued	13/507,846	Aug 2, 2012	8689896	Apr 8, 2014	Methods For Treating "plunge Zone" Issues When Extinguishing Full Surface Liquid Tank Fires
R-FP-00087-WO	PCT	Completed	PCT/US2006/030070	Aug 20, 2006			Methods For Treating Plunge Zone, Heavy Liquid, Large Tank, Structural Impediment And Timing Issues When Extinguishing Tank Fires
R-FP-00088-BE	BE	Abandoned	08779627.2	May 28, 2008	EP2155401 B	Jul 6, 2016	
R-FP-00088-BG	BG	Abandoned	08779627.2	May 28, 2008	EP2155401 B	Jul 6, 2016	A Range Enhanced Fire Fighting Nozzle And Method (Center Shot II)
R-FP-00088-BR	BR	Published	PI0812278-4	May 28, 2008			
R-FP-00088-DE	DE	Abandoned	08779627.2	May 28, 2008	EP2155401 B	Jul 6, 2016	
R-FP-00088-DK	DK	Abandoned	08779627.2	May 28, 2008	EP2155401 B	Jul 6, 2016	
R-FP-00088-EP	EP	Abandoned	08779627.2	May 28, 2008	EP2155401 B	Jul 6, 2016	
R-FP-00088-ES	ES	Abandoned	08779627.2	May 28, 2008	EP2155401 B	Jul 6, 2016	
R-FP-00088-FI	FI	Abandoned	08779627.2	May 28, 2008	EP2155401 B	Jul 6, 2016	
R-FP-00088-FR	FR	Abandoned	08779627.2	May 28, 2008	EP2155401 B	Jul 6, 2016	
R-FP-00088-GB	GB	Abandoned	08779627.2	May 28, 2008	EP2155401 B	Jul 6, 2016	
R-FP-00088-GR	GR	Abandoned	08779627.2	May 28, 2008	EP2155401 B	Jul 6, 2016	
R-FP-00088-HU	HU	Abandoned	08779627.2	May 28, 2008	EP2155401 B	Jul 6, 2016	
R-FP-00088-IT	IT	Pending	502016000099341	May 28, 2008			A Range Enhanced Fire Fighting Nozzle And Method

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R-FP-00088-MX	MX	Issued	MX/a/2009/013036	May 28, 2008	315353	Nov 14, 2013	Range Enhanced Fire Fighting Nozzle And Method (Center Shot)
R-FP-00088-NL	NL	Abandoned	08779627.2	May 28, 2008	EP2155401 B	Jul 6, 2016	
R-FP-00088-NO	NO	Abandoned	08779627.2	May 28, 2008	NO/EP2155401 B	Jul 6, 2016	
R-FP-00088-PL	PL	Abandoned	08779627.2	May 28, 2008	2155401	Jul 6, 2016	
R-FP-00088-PRO-	US	Expired	60/932,315	May 30, 2007			Range Enhanced Fire Fighting Nozzle And Method (Center Shot II)
R-FP-00088-PRO-01	US	Expired	60/961,239	Jul 19, 2007			Range Enhanced Fire Fighting Nozzle And Method (Center Shot II)
R-FP-00088-PT	PT	Abandoned	08779627.2	May 28, 2008	EP2155401 B	Jul 6, 2016	A Range Enhanced Fire Fighting Nozzle And Method
R-FP-00088-RO	RO	Abandoned	08779627.2	May 28, 2008	EP2155401 B	Jul 6, 2016	
R-FP-00088-SE	SE	Abandoned	08779627.2	May 28, 2008	EP2155401 B	Jul 6, 2016	
R-FP-00088-TR	TR	Abandoned	08779627.2	May 28, 2008	EP2155401 B	Jul 6, 2016	
R-FP-00088-US-02	US	Allowed	12/451,687	May 28, 2008			Range Enhanced Fire Fighting Nozzle And Method (Centershot II)
R-FP-00088-WO	PCT	Completed	PCT/US2008/06739	May 28, 2008			A Range Enhanced Fire Fighting Nozzle And Method (Center Shot II)
R-FP-00090-AE	AE	Pending	P956/12	Mar 15, 2011			Industrial Floor Nozzle And Fire Fighting System
R-FP-00090-AU	AU	Issued	2011227742	Mar 15, 2011	2011227742 B2	Aug 4, 2016	
R-FP-00090-BH	BH	Pending	2012114	Mar 15, 2011			
R-FP-00090-BR	BR	Published	BR112012023419-6	Mar 15, 2011			
R-FP-00090-CA	CA	Abandoned	2,793,092	Mar 15, 2011			
R-FP-00090-CN	CN	Issued	CN201180020393.7	Mar 15, 2011	ZL201180020393.7	Nov 25, 2015	
R-FP-00090-EP	EP	Issued	11756662.0	Mar 15, 2011	EP2547943	May 9, 2018	
R-FP-00090-HK	HK	Pending	13108601.9	May 30, 2018			
R-FP-00090-IN	IN	Published	8538/CHEMP/2012	Mar 15, 2011			
R-FP-00090-OM	OM	Pending	2012/00186	Mar 15, 2011			
R-FP-00090-PRO-	US	Expired	61/278,877	Oct 13, 2009			
R-FP-00090-PRO-01	US	Expired	61/340,400	Mar 10, 2010			
R-FP-00090-US-02	US	Issued	12/925,037	Mar 15, 2011	9155926	Sep 23, 2015	Drain Nozzle
R-FP-00090-US-03	US	Issued	13/261,425	Mar 15, 2011	9072923	Jul 7, 2015	Industrial Floor Nozzle And Fire Fighting System
R-FP-00090-WO	PCT	Completed	PCT/US2011/00478	Mar 15, 2011			
R-FP-00091-AU	AU	Issued	2008333995	Dec 2, 2008	2008333995	Jan 8, 2015	A Method Of Forming Alkoxylated Fluoroalcohols
R-FP-00091-BE	BE	Issued	08856599.9	Dec 2, 2008	2215042	Apr 2, 2014	
R-FP-00091-CA	CA	Issued	2,702,519	Dec 2, 2008	2702519	Apr 26, 2016	
R-FP-00091-CN	CN	Issued	200880117439	Dec 2, 2008	ZL200880117439.5	Jul 17, 2014	

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R-FP-00091-DK	DK	Issued	08856599.9	Dec 2, 2008	2215042	Apr 2, 2014	
R-FP-00091-EP	EP	Issued	08856599.9	Dec 2, 2008	2215042	Apr 2, 2014	
R-FP-00091-ES	ES	Issued	08856599.9	Dec 2, 2008	2215042	Apr 2, 2014	
R-FP-00091-FI	FI	Issued	08856599.9	Dec 2, 2008	2215042	Apr 2, 2014	
R-FP-00091-GB	GB	Issued	08856599.9	Dec 2, 2008	2215042	Apr 2, 2014	
R-FP-00091-IT	IT	Issued	08856599.9	Dec 2, 2008	2215042	Apr 2, 2014	
R-FP-00091-JP	JP	Issued	2010-537008	Dec 2, 2008	5571564	Jul 4, 2014	
R-FP-00091-KR	KR	Issued	1020107008073	Dec 2, 2008	10-1597297	Feb 18, 2016	
R-FP-00091-NL	NL	Issued	08856599.9	Dec 2, 2008	2215042	Apr 2, 2014	
R-FP-00091-PRO-	US	Expired	60/991,982	Dec 3, 2007			Method Of Fluoroalcohol Alkoxylation And Composition
R-FP-00091-SE	SE	Issued	08856599.9	Dec 2, 2008	2215042	Apr 2, 2014	A Method Of Forming Alkoxyated Fluoroalcohols
R-FP-00091-US-01	US	Issued	12/325,329	Dec 1, 2008	8946486	Feb 3, 2015	
R-FP-00091-US-02	US	Issued	14/613,222	Feb 3, 2015	9950978	Apr 24, 2018	
R-FP-00091-WO	PCT	Completed	PCT/US2008/85217	Dec 2, 2008			
R-FP-00094-AU	AU	Issued	2011318563	Oct 19, 2011	2011318563	Mar 23, 2016	Fixed Systems And Methods For Extinguishing Industrial Tank Fires, With And Without Fixed Roof, Including Aerated Foam Projecting Nozzles And Center Directed Nozzles
R-FP-00094-AU-00	AU	Issued	2015258207	Oct 19, 2011	2015258207	Aug 24, 2017	
R-FP-00094-AU-01	AU	Issued	2015258214	Oct 19, 2011	2015258214	Aug 24, 2017	
R-FP-00094-BR	BR	Published	BR112013009689-6	Oct 19, 2011			
R-FP-00094-CA	CA	Issued	2,816,161	Oct 19, 2011	2816161	Feb 16, 2016	
R-FP-00094-CA-01	CA	Issued	2,902,524	Oct 19, 2011	2902524	Oct 3, 2017	
R-FP-00094-CA-02	CA	Published	2,902,522	Oct 19, 2011			
R-FP-00094-CN	CN	Issued	ZL201180061156.5	Oct 19, 2011	ZL201180061170.5	Apr 26, 2017	
R-FP-00094-EP-00	EP	Published	11834749.1	Oct 19, 2011			
R-FP-00094-EP-01	EP	Issued	14150359.9-1659	Oct 17, 2011	EP2845627	Oct 4, 2017	Focused Stream, Aerated Foam Projecting Nozzle Including Fixed Wand System And Method As Well As Possibly Portable Center Pointing Nozzle
R-FP-00094-GC	GCC	Abandoned	19557	Oct 19, 2011			Fixed Systems And Methods For Extinguishing Industrial Tank Fires, With And Without Fixed Roof, Including Aerated Foam Projecting Nozzles And Center Directed Nozzles
R-FP-00094-IN	IN	Published	3003/CHENP/2013	Oct 19, 2011			
R-FP-00094-JP	JP	Published	2013-534889	Oct 19, 2011			
R-FP-00094-MX	MX	Published	MX/a/2013/004424	Oct 19, 2011			

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R-FP-00094-NO-01	NO	Issued	14150359.9-1659	Oct 17, 2011	NO/EP2845627	Oct 4, 2017	Focused Stream, Aerated Foam Projecting Nozzle Including Fixed Wand System And Method As Well As Possibly Portable Center Pointing Nozzle
R-FP-00094-PRO-00	US	Expired	61/463,296	Feb 14, 2011			Further Developments - Fixed System (Point And Shoot, Ambush And Hollow Point)
R-FP-00094-US-01	US	Issued	13/261,640	Oct 19, 2011	9586069	Mar 7, 2017	Fixed Systems And Methods For Extinguishing Industrial Tank Fires, With And Without Fixed Roof, Including Aerated Foam Projecting Nozzles And Center Directed Nozzles
R-FP-00094-US-02	US	Allowed	15/351,656	Nov 15, 2016			
R-FP-00094-VE	VE	Published	2011-001373	Oct 19, 2011			
R-FP-00094-WO	PCT	Completed	PCT/US11/01768	Oct 19, 2011			
R-FP-00098-AU	AU	Issued	2010250113	May 18, 2010	2010250113	Jul 9, 2015	Apparatus And Method For Protecting Storz Fire Fighting Hose Couplings
R-FP-00098-CA	CA	Pending	2,762,904	May 18, 2010			Apparatus And Method For Protecting Storz Fire Fighting Hose Couplings
R-FP-00098-EP	EP	Abandoned	10778042.1	May 18, 2010			
R-FP-00098-EP-01	EP	Abandoned	16166470.1	May 18, 2010			
R-FP-00098-PRO-	US	Expired	61/216,916	May 22, 2009			
R-FP-00098-US-01	US	Issued	13/261,021	May 18, 2010	8740254	Jun 3, 2014	Apparatus And Method For Protecting Storz Fire Fighting Hose Couplings
R-FP-00098-WO	PCT	Completed	PCT/US2010/001470	May 18, 2010			Apparatus And Method For Protecting Storz Fire Fighting Hose Couplings
R-FP-00105-AU-00	AU	Published	2014236227	Mar 14, 2014			Trimethylglycine As A Freeze Suppressant In Fire Fighting Foams
R-FP-00105-AU-01	AU	Published	2017276294	Mar 14, 2014			
R-FP-00105-CA	CA	Pending	2,910,180	Mar 14, 2014			
R-FP-00105-EP-00	EP	Published	14717627.5	Mar 14, 2014			
R-FP-00105-NZ-00	NZ	Pending	713204	Mar 14, 2014			
R-FP-00105-PRO-00	US	Expired	61/786,002	Mar 14, 2013			
R-FP-00105-US-01	US	Published	14/775,622	Mar 14, 2014			
R-FP-00105-WO-00	PCT	Completed	PCT/US14/29276	Mar 14, 2014			Perfluoroalkyl Composition With Reduced Chain Length
R-FP-00113-AE-00	AE	Pending	P1260/15	Mar 14, 2014			
R-FP-00113-AU-00	AU	Published	2014233466	Mar 14, 2014			
R-FP-00113-BR-00	BR	Pending	1-2015-502089	Mar 14, 2014			
R-FP-00113-CA-00	CA	Pending	2,942,778	Mar 14, 2014			
R-FP-00113-CN-00	CN	Published	201480028126.8	Mar 14, 2014			

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R-FP-00113-EG-00	EG	Pending	EG/P/2015/1521	Mar 14, 2014			
R-FP-00113-EP-00	EP	Published	14724866.0	Mar 14, 2014			
R-FP-00113-HK-00	HK	Pending	14724866.0	Mar 14, 2014			
R-FP-00113-ID-00	ID	Pending	P00201506625	Oct 15, 2015			
R-FP-00113-IN-00	IN	Published	6335/CHENP/2015	Mar 14, 2014			
R-FP-00113-JP-00	JP	Pending	2016-503170	Mar 14, 2014			
R-FP-00113-KR	KR	Published	1020167026931	Feb 27, 2015			Distributed Rules Engines For Robust Sensor Networks
R-FP-00113-KR-00	KR	Published	1020157029468	Mar 14, 2014			Perfluoroalkyl Composition With Reduced Chain Length
R-FP-00113-MY-00	MY	Pending	PI 2015703193	Mar 14, 2014			
R-FP-00113-NZ-00	NZ	Pending	713230	Mar 14, 2014			
R-FP-00113-PH	PH	Pending	PH/1/2015/502089	Sep 14, 2015			
R-FP-00113-PRO-	US	Expired	61/798,542	Mar 15, 2013			
R-FP-00113-SA-00	SA	Pending	515361130	Mar 14, 2014			
R-FP-00113-SG-00	SG	Published	11201507492R	Mar 14, 2014			
R-FP-00113-SG-01	SG	Pending	10201707616X	Mar 14, 2014			
R-FP-00113-TH-00	TH	Pending	1501005531	Mar 14, 2014			
R-FP-00113-US-00	US	Issued	14/776,057	Mar 14, 2014	9956448	May 1, 2018	
R-FP-00113-WO-00	PCT	Completed	PCT/US14/029622	Mar 14, 2014			Perfluoroalkyl Functionalized Polyacrylamide For Alcohol Resistant - Aqueous Film-Forming Foam (Ar-Afff) Formulation
R-FP-00135-CN-00	CN	Pending	201380058922.1	Sep 25, 2013			
R-FP-00135-DE-00	DE	Published	13773534.6	Sep 25, 2013			
R-FP-00135-EP-00	EP	Published	13773534.6	Sep 25, 2013			
R-FP-00135-ES-00	ES	Published	13773534.6	Sep 25, 2013			
R-FP-00135-FR-00	FR	Published	13773534.6	Sep 25, 2013			
R-FP-00135-GB-00	GB	Published	13773534.6	Sep 25, 2013			
R-FP-00135-HK-00	HK	Published	16101517.4	Feb 11, 2016			
R-FP-00135-IN-00	IN	Published	2266/CHENP/2015	Sep 25, 2013			
R-FP-00135-IT-00	IT	Published	13773534.6	Sep 25, 2013			
R-FP-00135-PRO-	US	Expired	61/705,580	Sep 25, 2012			
R-FP-00135-US-00	US	Issued	14/430,905	Sep 25, 2013	9956447	May 1, 2018	
R-FP-00135-WO-00	PCT	Completed	PCT/US13/61552	Sep 25, 2013			
R-FP-00199-EP-00	EP	Abandoned	07823896.1	Sep 14, 2007	EP2061603		An Improved Mist Generating Apparatus And Method
R-FP-00199-GB-01	GB	Published	0618196.0	Sep 15, 2006			
R-FP-00199-US-00	US	Issued	12/381,584	Sep 14, 2007	8789769	Jul 29, 2014	
R-FP-00199-US-01	US	Issued	14/274,311	May 9, 2014	9931648	Apr 3, 2018	Mist Generating Apparatus And Method

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R-PP-00199-WO-00	PCT	Completed	PCT/GB/2007/003492	Sep 14, 2007			An Improved Mist Generating Apparatus And Method
R-PP-00202-AU	AU	Issued	2008259611	Jun 3, 2008	2008259611	Mar 29, 2012	
R-PP-00202-BE	BE	Issued	08762237.9	Jun 3, 2008	EP2152373	Oct 16, 2013	
R-PP-00202-CA	CA	Issued	2,688,085	Jun 3, 2008	2688085	Aug 9, 2016	
R-PP-00202-DE	DE	Issued	08762237.9	Jun 3, 2008	EP2152373 B1	Oct 16, 2013	
R-PP-00202-DK	DK	Issued	08762237.9	Jun 3, 2008	EP2152373 B1	Oct 16, 2013	
R-PP-00202-EP	EP	Issued	08762237.9	Jun 3, 2008	EP2152373 B1	Oct 16, 2013	
R-PP-00202-ES	ES	Issued	08762237.9	Jun 3, 2008	EP2152373 B1	Oct 16, 2013	
R-PP-00202-FI	FI	Issued	08762237.9	Jun 3, 2008	EP2152373 B1	Oct 16, 2013	
R-PP-00202-FR	FR	Issued	08762237.9	Jun 3, 2008	EP2152373 B1	Oct 16, 2013	
R-PP-00202-GB	GB	Issued	08762237.9	Jun 3, 2008	EP2152373 B1	Oct 16, 2013	
R-PP-00202-GB-00	GB	Abandoned	GB0710663.6	Jun 4, 2007			
R-PP-00202-HK	HK	Issued	10102194.8	Mar 2, 2010	HK1135932	Jun 6, 2014	
R-PP-00202-IE	IE	Issued	08762237.9	Jun 3, 2008	EP2152373 B1	Oct 16, 2013	
R-PP-00202-IT	IT	Closed	08762237.9	Jun 3, 2008	EP2152373 B1	Oct 16, 2013	
R-PP-00202-NL	NL	Issued	08762237.9	Jun 3, 2008	EP2152373 B1	Oct 16, 2013	
R-PP-00202-NO	NO	Issued	08762237.9	Jun 3, 2008	2152373	May 5, 2014	
R-PP-00202-SE	SE	Issued	08762237.9	Jun 3, 2008	EP2152373 B1	Oct 16, 2013	
R-PP-00202-SG	SG	Issued	2009080219	Jun 3, 2008	157499	Jul 13, 2012	
R-PP-00202-TR	TR	Issued	08762237.9	Jun 3, 2008	EP2152373 B1	Oct 16, 2013	
R-PP-00202-US	US	Issued	12/592,930	Jun 3, 2008	9216429	Dec 22, 2015	
R-PP-00202-US-01	US	Issued	13/862,101	Apr 12, 2013	9757746	Sep 12, 2017	Mist Generating Apparatus And Method
R-PP-00202-US-02	US	Unfiled					An Improved Mist Generating Apparatus And Method
R-PP-00202-WO	PCT	Completed	PCT/GB2008/001883	Jun 3, 2008			An Improved Mist Generating Apparatus And Method
R-PP-00204-AU	AU	Issued	2009254940	Jun 4, 2009	2009254940	Aug 15, 2013	Mist Generating Apparatus And Method
R-PP-00204-BR	BR	Pending	PI0914906-6	Jun 4, 2009			
R-PP-00204-CA	CA	Issued	2,726,880	Jun 4, 2009	2726880	Jan 3, 2017	
R-PP-00204-CH	CH	Issued	EP09757815.7	Jan 8, 2014	09757815	Jan 8, 2014	
R-PP-00204-CN	CN	Issued	200980130525.4	Jun 4, 2009	ZL200980130525.4	Jul 23, 2014	
R-PP-00204-DE	DE	Issued	EP09757815.7	Jun 4, 2009	EP2296821 B	Jan 8, 2014	
R-PP-00204-EA	EA	Issued	EA201100014	Jun 4, 2009	022737 B1	Feb 29, 2016	Method And Device For The Formation Of Fog
R-PP-00204-EP	EP	Issued	EP09757815.7	Jun 4, 2009	EP2296821 B	Jan 8, 2014	Mist Generating Apparatus And Method
R-PP-00204-FR	FR	Issued	EP09757815.7	Jun 4, 2009	EP2296821 B	Jan 8, 2014	
R-PP-00204-GB	GB	Issued	EP09757815.7	Jun 4, 2009	EP2296821 B	Jan 8, 2014	
R-PP-00204-GB-00	GB	Abandoned	GB0810155.2	Jun 4, 2008			

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R-FP-00204-HK	HK	Issued	11103882.2	Apr 18, 2011	HK1150034	Jun 6, 2014	An Improved Mist Generating Apparatus And Method
R-FP-00204-IE	IE	Issued	EP09757815.7	Jun 4, 2009	EP2296821 B	Jan 8, 2014	Mist Generating Apparatus And Method
R-FP-00204-IL	IL	Abandoned	209768	Jun 4, 2009			(En) Mist Generating Apparatus And Method
R-FP-00204-IN	IN	Published	9269/DELNP/2010	Jun 4, 2009			An Improved Mist Generating Apparatus And Method
R-FP-00204-JP	JP	Issued	2011-512225	Jun 4, 2009	5568082	Jun 27, 2014	Mist Generating Apparatus And Method
R-FP-00204-LI	LI	Issued	EP09757815.7	Jun 4, 2009	EP2296821 B	Jan 8, 2014	
R-FP-00204-LU	LU	Issued	EP09757815.7	Jun 4, 2009	EP2296821 B	Jan 8, 2014	
R-FP-00204-MC	MC	Issued	EP09757815.7	Jun 4, 2009	EP2296821 B	Jan 8, 2014	
R-FP-00204-MT	MT	Issued	EP09757815.7	Jun 4, 2009	EP2296821 B	Jan 8, 2014	
R-FP-00204-MX	MX	Issued	MX/a/2010/013289	Jun 4, 2009	322201	Jul 23, 2014	
R-FP-00204-MY	MY	Published	PI2010005795	Jun 4, 2009			
R-FP-00204-SG	SG	Issued	2010089605	Jun 4, 2009	167175	Aug 30, 2013	
R-FP-00204-US	US	Issued	12/996,348	Jun 4, 2009	8991727	Mar 31, 2015	Improved Mist Generating Apparatus And Method
R-FP-00204-US-01	US	Published	14/638,912	Jun 4, 2009			Mist Generating Apparatus And Method
R-FP-00204-WO	PCT	Completed	PCT/GB2009/050626	Jun 4, 2009			
R-FP-00204-ZA	ZA	Issued	2011/00011	Jun 4, 2009	2011/00011	Oct 26, 2011	
R-FP-00205-AU	AU	Issued	2011334656	Dec 5, 2011	2011334656 B2	Feb 2, 2017	An Improved Apparatus For Generating Mists And Foams
R-FP-00205-BR	BR	Published	BR1120130133970	Dec 5, 2011			
R-FP-00205-CA	CA	Pending	2,816,003	Dec 5, 2011			
R-FP-00205-CL	CL	Published	2013-01523	Dec 5, 2011			
R-FP-00205-EP	EP	Published	11813801.5	Dec 5, 2011			
R-FP-00205-GB-00	GB	Abandoned	GB1020539.1	Dec 3, 2010			
R-FP-00205-ID	ID	Issued	W00201302456	Dec 5, 2011	IDP000041754	Jun 22, 2016	
R-FP-00205-IL	IL	Pending	226523	Dec 5, 2011			
R-FP-00205-IN	IN	Published	4561/CHENP/2013	Dec 5, 2011			
R-FP-00205-KR	KR	Published	1020137016530	Dec 5, 2011			
R-FP-00205-MY	MY	Pending	PI 2013001930	Dec 5, 2011			
R-FP-00205-NZ	NZ	Issued	611231	Dec 5, 2011	611231	Jul 28, 2015	
R-FP-00205-RU	RU	Pending	2013125227	Dec 5, 2011	2588427		
R-FP-00205-SG	SG	Abandoned	201304099-3	Dec 5, 2011			
R-FP-00205-SG-01	SG	Published	10201509949W	Dec 5, 2011			An Improved Apparatus For Generating Mists And Foams
R-FP-00205-US-01	US	Abandoned	13/881,701	Dec 5, 2011			Apparatus For Generating Mists And Foams
R-FP-00205-US-02	US	Pending	14/519,488	Dec 5, 2011			Apparatus For Generating Mists And Foams

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FILE #	COUNTRY	STATUS	APPLICATION #	DATE FILED	PATENT #	GRANT DATE	TITLE
R-FP-00205-WO	PCT	Completed	PCT/GB2011/052402	Dec 5, 2011			An Improved Apparatus For Generating Mists And Foams
S-FB-00127-AO	AO	Pending	1297	Nov 10, 2008			Liquid Mist Fire Protection Systems And Methods
S-FB-00127-AR	AR	Issued	P080104912	Nov 10, 2008	AR069254 B1	Jul 15, 2016	Liquid Mist Fire Protection Systems And Methods
S-FB-00127-AT	AT	Issued	EP08846644.6	Nov 7, 2008	EP2217336	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-AU	AU	Issued	2008325164	Nov 7, 2008	2008325164	Oct 25, 2013	Liquid Mist Fire Protection Systems And Methods
S-FB-00127-BE	BE	Issued	EP08846644.6	Nov 7, 2008	EP2217336	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-BR	BR	Published	PI0819289-8	Nov 7, 2008			Apparatus For Protection Of Fire Systems And Methods For Dealing With A Fire Micropulverização
S-FB-00127-CA	CA	Issued	2,705,140	Nov 7, 2008	2705140	Jun 14, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-CH	CH	Issued	EP08846644.6	Nov 7, 2008	EP2217336	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-CL	CL	Issued	2008-003342	Nov 10, 2008	2008-003342	Nov 24, 2016	Liquid Mist Fire Protection Systems And Methods
S-FB-00127-CN	CN	Issued	200880115456	Nov 7, 2008	ZL200880115456.5	Jan 2, 2013	Liquid Mist Fire Protection Systems And Methods
S-FB-00127-CZ	CZ	Issued	EP08846644.6	Nov 7, 2008	CZ/EP2217336 T3	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-DE	DE	Issued	EP08846644.6	Nov 7, 2008	EP2217336	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-DK	DK	Issued	EP08846644.6	Nov 7, 2008	EP2217336	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-EP	EP	Issued	EP08846644.6	Nov 7, 2008	EP2217336	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-ES	ES	Issued	EP08846644.6	Nov 7, 2008	EP2217336	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-FI	FI	Issued	EP08846644.6	Nov 7, 2008	EP2217336	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-FR	FR	Issued	EP08846644.6	Nov 7, 2008	EP2217336	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-GB	GB	Issued	EP08846644.6	Nov 7, 2008	EP2217336	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist

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REEL: 047158 FRAME: 0648

FILE #	COUNTRY	STATUS	APPLICATION #	DATE FILED	PATENT #	GRANT DATE	TITLE
S-FB-00127-GC	GCC	Published	12115	Nov 9, 2008			Liquid Mist Fire Protection Systems And Methods
S-FB-00127-GR	GR	Issued	EP08846644.6	Nov 7, 2008	EP2217336	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-HK	HK	Abandoned	10109748.4	Oct 14, 2010			Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-ID	ID	Pending	W00201001894	Nov 7, 2008			Liquid Mist Fire Protection Systems And Methods
S-FB-00127-IE	IE	Issued	EP08846644.6	Nov 7, 2008	EP2217336	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-IL	IL	Issued	205631	Nov 7, 2008	205631	Dec 31, 2014	Liquid Mist Fire Protection Systems And Methods
S-FB-00127-IN	IN	Published	4028/DELNP/2010	Nov 7, 2008			Liquid Mist Fire Protection Systems And Methods
S-FB-00127-IQ	IQ	Abandoned	304/2008	Nov 9, 2008			Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-IR	IR	Pending	38708767	Nov 11, 2008			Liquid Mist Fire Protection Systems And Methods
S-FB-00127-IT	IT	Issued	08846644.6	Nov 7, 2008	EP2217336	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-KR	KR	Issued	1020107012715	Nov 7, 2008	1015314780000	Jun 19, 2015	Liquid Mist Fire Protection Systems And Methods
S-FB-00127-LI	LI	Issued	EP08846644.6	Nov 7, 2008	EP2217336	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-MX	MX	Issued	MX/a/2010/005174	Nov 7, 2008	321990	Jul 15, 2014	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-MY	MY	Issued	PI2010002147	Nov 7, 2008	MY-157248-A	May 31, 2016	Liquid Mist Fire Protection Systems And Methods
S-FB-00127-NL	NL	Issued	EP08846644.6	Nov 7, 2008	EP2217336	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-NO	NO	Issued	EP08846644.6	Nov 7, 2008	NO/EP2217336	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-NZ	NZ	Issued	585365	Nov 7, 2008	585365	Jan 29, 2013	Liquid Mist Fire Protection Systems And Methods
S-FB-00127-PE	PE	Issued	001907-2008/DIN	Nov 10, 2008	8014	Apr 26, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-PH	PH	Issued	PH/1/2010/501036	Nov 7, 2008	1-2010-501036	Jun 22, 2016	Liquid Mist Fire Protection Systems And Methods
S-FB-00127-PL	PL	Issued	EP08846644.6	Nov 7, 2008	EP2217336	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist

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REEL: 047158 FRAME: 0649

FILE #	COUNTRY	STATUS	APPLICATION #	DATE FILED	PATENT #	GRANT DATE	TITLE
S-FB-00127-PRO-	US	Expired	60/987,021	Nov 9, 2007			Liquid Mist Fire Protection Systems And Methods
S-FB-00127-PRO-01	US	Expired	60/989,083	Nov 19, 2007			Liquid Mist Fire Protection Systems And Methods
S-FB-00127-PT	PT	Issued	EP08846644.6	Nov 7, 2008	EP2217336	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-RU	RU	Issued	2010123356	Nov 7, 2008	2476252	Feb 27, 2013	Liquid Mist Fire Protection Systems And Methods
S-FB-00127-SE	SE	Issued	EP08846644.6	Nov 7, 2008	SE 2217336 T6	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-SG	SG	Abandoned	2010032563	Nov 7, 2008			Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-SG-01	SG	Issued	2012083200	Nov 7, 2008	185990	May 18, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-TH	TH	Pending	0801005779	Nov 10, 2008			Liquid Mist Fire Protection Systems And Methods
S-FB-00127-TR	TR	Issued	EP08846644.6	Nov 7, 2008	EP2217336	Mar 2, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-TW	TW	Issued	097143450	Nov 10, 2008	IS11759	Dec 11, 2015	Liquid Mist Fire Protection Systems And Methods
S-FB-00127-US-04	US	Issued	12/742,046	Nov 7, 2008	9498787	Nov 22, 2016	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-US-05	US	Published	14/826,844	Aug 14, 2015			Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00127-VE	VE	Pending	2008-002780	Nov 10, 2008			Liquid Mist Fire Protection Systems And Methods
S-FB-00127-WO	PCT	Completed	PCT/US2008/012571	Nov 7, 2008			Liquid Mist Fire Protection Systems And Methods
S-FB-00127-ZA	ZA	Issued	2010/03384	Nov 7, 2008	2010/03384	Jun 29, 2011	Fire Protection Apparatus, Systems And Methods For Addressing A Fire With A Mist
S-FB-00148-AP	AP	Pending		Oct 10, 2003			Jet Pump
S-FB-00148-AT	AT	Issued	1549856	Oct 10, 2003	01549856	Jun 13, 2007	Jet Pump
S-FB-00148-AU	AU	Issued	2003274315	Oct 10, 2003	2003274315	Sep 18, 2008	Jet Pump
S-FB-00148-BE	BE	Issued	03758304.4	Oct 10, 2003	EP1549856	Jun 13, 2007	Jet Pump
S-FB-00148-BR	BR	Issued	PI 0315204-9	Oct 10, 2003	PI 0315204-9 B1	May 21, 2013	Jet Pump
S-FB-00148-CA	CA	Issued	2,501,816	Oct 10, 2003	2501816	Mar 22, 2011	Jet Pump
S-FB-00148-CH	CH	Issued	03758304.4	Oct 10, 2003	EP1549856	Jun 13, 2007	Jet Pump
S-FB-00148-DE	DE	Issued	60314434.9	Oct 10, 2003	1549856	Jun 13, 2007	Jet Pump
S-FB-00148-DK	DK	Issued	1549856	Oct 10, 2003	1549856	Jun 13, 2007	Jet Pump

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FILE #	COUNTRY	STATUS	APPLICATION #	DATE FILED	PATENT #	GRANT DATE	TITLE
S-FB-00148-EA	EA	Published	GB2003004400	Oct 10, 2003			Jet Pump
S-FB-00148-EP	EP	Issued	03758304.4	Oct 10, 2003	EP1549856	Jun 13, 2007	Jet Pump
S-FB-00148-ES	ES	Issued	2287521	Oct 10, 2003	1549856	Jun 13, 2007	Jet Pump
S-FB-00148-FR	FR	Issued	03758304.4	Oct 10, 2003	EP1549856	Jun 13, 2007	Jet Pump
S-FB-00148-GB	GB	Issued	03758304.4	Oct 10, 2003	1549856	Jun 13, 2007	Jet Pump
S-FB-00148-IE	IE	Issued	03758304.4	Oct 10, 2003	EP1549856	Jun 13, 2007	Jet Pump
S-FB-00148-IT	IT	Issued	03758304.4	Oct 10, 2003	EP1549856	Jun 13, 2007	Jet Pump
S-FB-00148-JP	JP	Pending	26503227	Oct 10, 2003			Jet Pump
S-FB-00148-LU	LU	Issued	03758304.4	Oct 10, 2003	EP1549856	Jun 13, 2007	Jet Pump
S-FB-00148-NL	NL	Issued	03758304.4	Oct 10, 2003	EP1549856	Jun 13, 2007	Jet Pump
S-FB-00148-OA	OA	Pending		Oct 10, 2003			Jet Pump
S-FB-00148-US	US	Issued	10/477,708	Oct 10, 2003	7111975	Sep 26, 2006	Jet Pump
S-FB-00148-WO	PCT	Completed	PCT/GB2003/004400	Oct 10, 2003			Jet Pump
S-FB-00149-AP	AP	Pending		Feb 25, 2005			Improvements In Or Relating To A Method And Apparatus For Generating A Mist
S-FB-00149-AT	AT	Issued	05717791.7	Feb 25, 2005	EP1720660	Nov 18, 2009	
S-FB-00149-AU	AU	Abandoned	2005216696	Feb 25, 2005	2005216696	Jul 7, 2011	
S-FB-00149-BE	BE	Issued	05717791.7	Feb 25, 2005	EP1720660	Nov 18, 2009	
S-FB-00149-CA	CA	Issued	2,556,649	Feb 25, 2005	2556649C	Jul 10, 2012	
S-FB-00149-CH	CH	Issued	05717791.7	Feb 25, 2005	EP1720660	Nov 18, 2009	
S-FB-00149-DE	DE	Issued	05717791.7	Feb 25, 2005	60 2005 017 748.5	Nov 18, 2009	
S-FB-00149-DK	DK	Issued	05717791.7	Feb 25, 2005	1720660B	Nov 18, 2009	
S-FB-00149-EA	EA	Pending		Feb 25, 2005			
S-FB-00149-EP	EP	Issued	05717791.7	Feb 25, 2005	EP1720660	Nov 18, 2009	
S-FB-00149-ES	ES	Issued	05717791.7	Feb 25, 2005	1720660B	Nov 18, 2009	
S-FB-00149-FR	FR	Issued	05717791.7	Feb 25, 2005	EP1720660	Nov 18, 2009	
S-FB-00149-GB	GB	Issued	05717791.7	Feb 25, 2005	EP1720660	Nov 18, 2009	
S-FB-00149-IE	IE	Issued	05717791.7	Feb 25, 2005	EP1720660	Nov 18, 2009	
S-FB-00149-IT	IT	Issued	05717791.7	Feb 25, 2005	EP1720660	Nov 18, 2009	
S-FB-00149-LU	LU	Issued	05717791.7	Feb 25, 2005	EP1720660	Nov 18, 2009	
S-FB-00149-NL	NL	Issued	05717791.7	Feb 25, 2005	EP1720660	Nov 18, 2009	
S-FB-00149-OA	OA	Pending		Feb 25, 2005			
S-FB-00149-US	US	Issued	10/590,527	Feb 25, 2005	9004375	Apr 14, 2015	Method And Apparatus For Generating A Mist
S-FB-00149-US-01	US	Abandoned	14/672,052	Mar 27, 2015			Improvements In Or Relating To A Method And Apparatus For Generating A Mist
S-FB-00149-WO	PCT	Completed	GB2005/000708	Feb 25, 2005			Improvements In Or Relating To A Method And Apparatus For Generating A Mist

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FILE #	COUNTRY	STATUS	APPLICATION #	DATE FILED	PATENT #	GRANT DATE	TITLE
S-FB-00150-AP	AP	Pending		Feb 25, 2005			Method And Apparatus For Generating A Mist
S-FB-00150-AT	AT	Issued	05717801.4	Feb 25, 2005	EP1718413	Oct 21, 2009	
S-FB-00150-AU	AU	Abandoned	2005216699	Feb 25, 2005	5216699	Oct 27, 2011	
S-FB-00150-BE	BE	Issued	05717801.4	Feb 25, 2005	EP1718413	Oct 21, 2009	
S-FB-00150-CA	CA	Issued	2,556,673	Feb 25, 2005	2556673	Feb 5, 2013	
S-FB-00150-CH	CH	Issued	05717801.4	Feb 25, 2005	EP1718413	Oct 21, 2009	
S-FB-00150-DE	DE	Issued	05717801.4	Feb 25, 2005	EP1718413	Oct 21, 2009	
S-FB-00150-DK	DK	Pending	05717801.4	Feb 25, 2005	1718413B		
S-FB-00150-EA	EA	Pending		Feb 25, 2005			
S-FB-00150-EP	EP	Issued	05717801.4	Feb 25, 2005	EP1718413	Oct 21, 2009	
S-FB-00150-ES	ES	Issued	05717801.4	Feb 25, 2005	1718413B	Oct 21, 2009	
S-FB-00150-FR	FR	Issued	05717801.4	Feb 25, 2005	EP1718413	Oct 21, 2009	
S-FB-00150-GB	GB	Issued	EP05717801.4	Feb 25, 2005	EP1718413	Jan 21, 2009	
S-FB-00150-IE	IE	Issued	05717801.4	Feb 25, 2005	EP1718413	Oct 21, 2009	
S-FB-00150-IT	IT	Issued	05717801.4	Feb 25, 2005	EP1718413	Oct 21, 2009	
S-FB-00150-LI	LI	Issued	05717801.4	Feb 25, 2005	EP1718413	Oct 21, 2009	
S-FB-00150-LU	LU	Issued	05717801.4	Feb 25, 2005	EP1718413	Oct 21, 2009	
S-FB-00150-NL	NL	Issued	05717801.4	Feb 25, 2005	EP1718413	Oct 21, 2009	
S-FB-00150-OA	OA	Pending		Feb 25, 2005			
S-FB-00150-US	US	Issued	10/590,456	Feb 25, 2005	9010663	Apr 21, 2015	
S-FB-00150-US-01	US	Allowed	14/672,015	Apr 10, 2015			
S-FB-00150-WO	PCT	Completed	GB2005/000720	Feb 25, 2005			

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