

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5015576

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BANK OF AMERICA, N.A.	06/12/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MUELLER INTERNATIONAL, LLC
<b>Street Address:</b>	1200 ABERNATHY ROAD, SUITE 1200
<b>City:</b>	ATLANTA
<b>State/Country:</b>	GEORGIA
<b>Postal Code:</b>	30328
<b>PROPERTY NUMBERS Total: 133</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14462023
Application Number:	14490095
Application Number:	12564459
Application Number:	13460956
Application Number:	13752414
Application Number:	09096626
Application Number:	09525203
Application Number:	10021742
Application Number:	10691289
Application Number:	12144273
Application Number:	14259887
Application Number:	62022266
Application Number:	10864560
Application Number:	09814106
Application Number:	09978012
Application Number:	09009212
Application Number:	14326610
Application Number:	14063334
Application Number:	14193302
Application Number:	10864718

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<b>Property Type</b>	<b>Number</b>
Application Number:	14475050
Application Number:	10864725
Application Number:	13492795
Application Number:	10864743
Application Number:	12813925
Application Number:	29329831
Application Number:	13492790
Application Number:	29280982
Application Number:	14503951
Application Number:	13760804
Application Number:	13841597
Application Number:	10856003
Application Number:	13216523
Application Number:	13543763
Application Number:	13955692
Application Number:	14448655
Application Number:	13834016
Application Number:	11149060
Application Number:	13559572
Application Number:	13559573
Application Number:	10360687
Application Number:	29155240
Application Number:	29280983
Application Number:	11761825
Application Number:	12409583
Application Number:	10608458
Application Number:	12784300
Application Number:	13101235
Application Number:	14450452
Application Number:	12606957
Application Number:	13971282
Application Number:	11497637
Application Number:	11498695
Application Number:	13492794
Application Number:	13492792
Application Number:	13836154
Application Number:	13161461
Application Number:	14273823

<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12243452
<b>Application Number:</b>	10298300
<b>Application Number:</b>	12490867
<b>Application Number:</b>	12490925
<b>Application Number:</b>	12490957
<b>Application Number:</b>	13372408
<b>Application Number:</b>	13590954
<b>Application Number:</b>	08422817
<b>Application Number:</b>	13103126
<b>Application Number:</b>	13475335
<b>Application Number:</b>	14490381
<b>Application Number:</b>	11766288
<b>Application Number:</b>	14331196
<b>Application Number:</b>	09570922
<b>Application Number:</b>	11156573
<b>Application Number:</b>	11952582
<b>Application Number:</b>	13272135
<b>Application Number:</b>	13646892
<b>Application Number:</b>	13072702
<b>Application Number:</b>	09482317
<b>Application Number:</b>	10815275
<b>Application Number:</b>	13035788
<b>Application Number:</b>	09711958
<b>Application Number:</b>	11504921
<b>Application Number:</b>	14341211
<b>Application Number:</b>	12356240
<b>Application Number:</b>	12947272
<b>Application Number:</b>	13220739
<b>Application Number:</b>	13902092
<b>Application Number:</b>	14490375
<b>Application Number:</b>	13800717
<b>Application Number:</b>	10856035
<b>Application Number:</b>	12792566
<b>Application Number:</b>	13341516
<b>Application Number:</b>	14084013
<b>Application Number:</b>	14490412
<b>Application Number:</b>	14469755
<b>Application Number:</b>	12902888

<b>Property Type</b>	<b>Number</b>
Application Number:	13753428
Application Number:	13753431
Application Number:	12711050
Application Number:	13113684
Application Number:	13284915
Application Number:	13475353
Application Number:	13741326
Application Number:	10624951
Application Number:	10866400
Application Number:	13216905
Application Number:	14209257
Application Number:	13117963
Application Number:	13556272
Application Number:	13339655
Application Number:	12038151
Application Number:	13492410
Application Number:	14490081
Application Number:	11760200
Application Number:	12201429
Application Number:	13585046
Application Number:	13283526
Application Number:	14490403
Application Number:	13840637
Application Number:	13556270
Application Number:	09640864
Application Number:	10856465
Application Number:	09725087
Application Number:	13149720
Application Number:	14451896
Application Number:	08411889
Application Number:	13741329
Application Number:	10856000
Application Number:	29302557
Application Number:	29302559
Application Number:	10741866
Application Number:	11545140
Application Number:	11842374

**CORRESPONDENCE DATA****Fax Number:** (770)434-7376*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.***Phone:** 770-434-6868**Email:** tjames@taylorenghish.com,docketing@taylorenghish.com**Correspondent Name:** JEFFREY R. KUESTER**Address Line 1:** 1600 PARKWOOD CIRCLE, SUITE 200**Address Line 4:** ATLANTA, GEORGIA 30339**ATTORNEY DOCKET NUMBER:** 191372-9000-SEC. RELEASE**NAME OF SUBMITTER:** JEFFREY R. KUESTER**SIGNATURE:** /jrk/**DATE SIGNED:** 06/20/2018**Total Attachments: 12**

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**RELEASE OF SECURITY INTEREST IN PATENTS**

This RELEASE OF SECURITY INTEREST IN PATENTS (this “Release”), dated as of June 12, 2018 (the “Effective Date”), is made by Bank of America, N.A., in its capacity as collateral agent (the “Agent”), in favor of the grantor parties identified on the signature page hereto (each, a “Grantor” and collectively, the “Grantors”).

WHEREAS, pursuant to that certain Term Loan Pledge and Security Agreement, dated as of November 25, 2014, by and among the Agent, the Grantors and certain other parties thereto (as amended, amended and restated, or otherwise modified from time to time, the “Security Agreement”), the Grantors collaterally assigned, granted, mortgaged and pledged to the Agent, in its capacity as Agent, a security interest in and to certain collateral;

WHEREAS, pursuant to the Security Agreement, the Grantors executed and delivered a Term Loan Patent Security Agreement, dated as November 25, 2014 and recorded with the United States Patent and Trademark Office (the “USPTO”) on December 2, 2014 at Reel/Frame 034502/0219 (the “Patent Security Agreement”);

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Agent hereby agrees as follows:

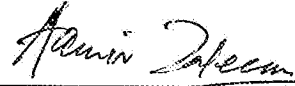
1. Defined Terms. All capitalized terms used, but not otherwise defined herein, shall have the respective meanings ascribed in or otherwise referenced in the Security Agreement or the Patent Security Agreement, as applicable.
2. Release. The Agent, without representation or warranty of any kind, hereby releases, discharges, terminates and cancels all of its security interest in and to the Patent Collateral, including the patents and patent applications set forth Schedule 1 attached hereto, arising under the Security Agreement and the Patent Security Agreement. If and to the extent that the Agent has acquired any right, title or interest in and to the Patent Collateral under the Patent Security Agreement, the Agent, without representation or warranty of any kind, hereby re-transfers, re-conveys and re-assigns such right, title or interest to the applicable Grantors.
3. Termination. The Agent, without representation or warranty of any kind, terminates and cancels the Patent Security Agreement.
4. Further Assurances. The Agent agrees to take all further actions, and provide to the Grantors and their respective successors, assigns or other legal representatives, all such cooperation and assistance (including, without limitation, the execution and delivery of any and all documents or other instruments), reasonably requested by the Grantors, at the Grantors’ sole cost and expense, to more fully and effectively effectuate the purposes of this Release.
5. Governing Law. This Release shall be governed exclusively under the laws of the state of New York, without regard to conflicts of law or choice of law principles.

[Signature Pages Follow]

IN WITNESS WHEREOF, the Agent has caused this Release to be executed by its duly authorized representative as of the Effective Date:

BANK OF AMERICA, N.A., acting in its capacity as  
Agent for the Lenders

By:



Name:

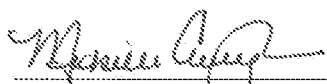
Title:

**Aamir Saleem**  
**Vice President**

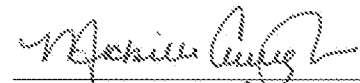
[Signature Page to Patent Release]

**PATENT**  
**REEL: 046395 FRAME: 0450**

MUELLER INTERNATIONAL, LLC, as a Grantor

By:   
Name: *Michelle Cunningham*  
Title: *Treasurer*

HENRY PRATT COMPANY, LLC, as a Grantor

By:   
Name: *Michelle Cunningham*  
Title: *Treasurer*

[Signature Page to Patent Release]



**Schedule 1**

**Released Patent Collateral**

**Release of Patent Security Agreement recorded December 2, 2014 at Reel/Frame  
034502/0219**

<b>Grantor</b>	<b>Country</b>	<b>Title</b>	<b>Application Number</b>	<b>Filing Date</b>	<b>Patent No.</b>	<b>Issue Date</b>
Mueller International, LLC	United States of America	A System For Contaminant Isolation And Flushing	14462023	08/18/2014	9624653	04/18/2017
Mueller International, LLC	United States of America	Adjustable Meter With Tamper Detection	14490095	09/18/2014	9664550	05/30/2017
Mueller International, LLC	United States of America	Adjustable Underground Meter Installation	12564459	09/22/2009	9032989	05/19/2015
Mueller International, LLC	United States of America	Adjustable Underground Meter Installation	13460956	05/01/2012	9243944	01/26/2016
Mueller International, LLC	United States of America	Air Valve Seat	13752414	01/29/2013	9200718	12/01/2015
Mueller International, LLC	United States of America	Apparatus For The Enhancement Of Water Quality In A Subterranean Pressurized Water Distribution System	09096626	06/12/1998	<u>6035704</u>	03/14/2000
Mueller International, LLC	United States of America	Apparatus For The Enhancement Of Water Quality In A Subterranean Pressurized Water Distribution System	09525203	03/14/2000	<u>6358408</u>	03/19/2002
Mueller International, LLC	United States of America	Apparatus For The Enhancement Of Water Quality In A Subterranean Pressurized Water Distribution System	10021742	12/12/2001	<u>6635172</u>	10/21/2003
Mueller International, LLC	United States of America	Apparatus For The Enhancement Of Water Quality In A Subterranean Pressurized Water Distribution System	10691289	10/20/2003	<u>6880566</u>	04/19/2005
Mueller International, LLC	United States of America	Anchor Valve For Security	12144273	06/23/2008	<u>8733381</u>	05/27/2014
Mueller International, LLC	United States of America	Anchor Valve For Security	14259887	04/23/2014	9534359	01/03/2017
Mueller International, LLC	United States of America	Antenna Attachment	62022266	07/09/2014		

Grantor	Country	Title	Application Number	Filing Date	Patent No.	Issue Date
Mueller International, LLC	United States of America	Automatic Stagnant Water Flushing System	10864560	06/09/2004	<u>7178739</u>	02/20/2007
Mueller International, LLC	United States of America	Ball Valve Locking Device	09814106	03/22/2001	<u>6467500</u>	10/22/2002
Mueller International, LLC	United States of America	Butterfly Valve Locking Apparatus	09978012	10/17/2001	<u>6598850</u>	07/29/2003
Mueller International, LLC	United States of America	Check Valve And Backflow Preventer	09009212	01/20/1998	<u>5947152</u>	09/07/1999
Mueller International, LLC	United States of America	Check Valve Disc	14326610	07/09/2014	9506575	11/29/2016
Mueller International, LLC	United States of America	Detecting Leaks In A Fluid Distribution System	14063334	10/25/2013	9939344	04/10/2018
Mueller International, LLC	United States of America	Directive Array For Drive By Meter Reading	14193302	02/28/2014	9553358	01/24/2017
Mueller International, LLC	United States of America	Drinking Fountain With Automatic Stagnant Water Flushing System	10864718	06/09/2004	<u>7240852</u>	07/10/2007
Mueller International, LLC	United States of America	Dynamic Routing In A Mesh Network	14475050	09/02/2014	9565620	02/07/2017
Mueller International, LLC	United States of America	Emergency Shower With Automatic Stagnant Water Flushing System	10864725	06/09/2004	<u>7240853</u>	07/10/2007
Mueller International, LLC	United States of America	Enclosure For Leak Detector	13492795	06/08/2012	9593999	03/14/2017
Mueller International, LLC	United States of America	Eyewash With Automatic Stagnant Water Flushing System	10864743	06/09/2004	<u>7240854</u>	07/10/2007
Mueller International, LLC	United States of America	Face Seal Gasket	12813925	06/11/2010	8668206	03/11/2014
Mueller International, LLC	United States of America	Fire Hydrant	29329831	12/22/2008	D631134	01/18/2011
Mueller International, LLC	United States of America	Fire Hydrant Leak Detector	13492790	06/08/2012	9291520	03/22/2016
Mueller International, LLC	United States of America	Hydrant Shoe	29280982	06/12/2007	D607541	01/05/2010
Mueller International, LLC	United States of America	Flex Vibration Sensor For Water Leak Detection	14503951	10/01/2014	9528903	12/27/2016

Grantor	Country	Title	Application Number	Filing Date	Patent No.	Issue Date
Mueller International, LLC	United States of America	Flushing Hydrant	13760804	02/06/2013	9458609	10/04/2016
Mueller International, LLC	United States of America	Flushing Hydrant With Fail-Safe	13841597	03/15/2013	9194108	11/24/2015
Mueller International, LLC	United States of America	Freeze And Backflow Protection For A Subterranean Water Flushing System	10856003	05/28/2004	<u>7497228</u>	03/03/2009
Mueller International, LLC	United States of America	Gasket For Parabolic Ramp Self Restraining Bell Joint	13216523	08/24/2011	9194519	11/24/2015
Mueller International, LLC	United States of America	Gasket For Parabolic Ramp Self Restraining Bell Joint	13543763	07/06/2012	8544851	10/01/2013
Mueller International, LLC	United States of America	Gasket For Parabolic Ramp Self Restraining Bell Joint	13955692	07/31/2013	8870188	10/28/2014
Mueller International, LLC	United States of America	Gasket For Parabolic Ramp Self Restraining Bell Joint	14448655	07/31/2014	9121532	09/01/2015
Mueller International, LLC	United States of America	Gate Valve With Track Cleanout	13834016	03/15/2013	9140368	09/22/2015
Mueller International, LLC	United States of America	Height And Accessory Adaptable Meter Setter	11149060	06/08/2005	7281545	10/16/2007
Mueller International, LLC	United States of America	High Traffic Data Transmission	13559572	07/26/2012	9047756	06/02/2015
Mueller International, LLC	United States of America	High Traffic Data Transmission	13559573	07/26/2012	9047760	06/02/2015
Mueller International, LLC	United States of America	Hydrant Security Device	10360687	02/07/2003	6691732	02/17/2004
Mueller International, LLC	United States of America	Hydrant Security Device	29155240	02/08/2002	D484026	12/23/2003
Mueller International, LLC	United States of America	Hydrant Shoe	29280983	06/12/2007	D591831	05/05/2009
Mueller International, LLC	United States of America	Hydrant Shoe With Backflow Prevention Assembly	11761825	06/12/2007	7520294	04/21/2009
Mueller International, LLC	United States of America	Hydrant Shoe With Backflow Prevention Assembly	12409583	03/24/2009	7686031	03/30/2010
Mueller International, LLC	United States of America	Hydrostatic Test Plug For Water Service Line	10608458	06/27/2003	6843108	01/18/2005

Grantor	Country	Title	Application Number	Filing Date	Patent No.	Issue Date
Mueller International, LLC	United States of America	Infrastructure Monitoring Devices, Systems, And Methods	12784300	05/20/2010	8823509	09/02/2014
Mueller International, LLC	United States of America	Infrastructure Monitoring Devices, Systems, And Methods	13101235	05/05/2011	8931505	01/13/2015
Mueller International, LLC	United States of America	Infrastructure Monitoring Devices, Systems, And Methods	14450452	08/04/2014	9799204	10/24/2017
Mueller International, LLC	United States of America	Infrastructure Monitoring System And Method	12606957	10/27/2009	9202362	12/01/2015
Mueller International, LLC	United States of America	In-Ground Flushing Device	13971282	08/20/2013	9238904	01/19/2016
Mueller International, LLC	United States of America	Insertable Piggable Plug System	11497637	08/02/2006	7748411	07/06/2010
Mueller International, LLC	United States of America	Keyless Fire Hydrant Protection System	11498695	08/03/2006	7559338	07/14/2009
Mueller International, LLC	United States of America	Leak Detector	13492794	06/08/2012		
Mueller International, LLC	United States of America	Leak Detector And Sensor	13492792	06/08/2012	9772250	09/26/2017
Mueller International, LLC	United States of America	Main Valve With Internal Rigid Structure	13836154	03/15/2013	9222582	12/29/2015
Mueller International, LLC	United States of America	Mechanical Position Indicator	13161461	06/15/2011	8596295	12/03/2013
Mueller International, LLC	United States of America	Mechanical Stop For Actuator And Orifice	14273823	05/09/2014	9494249	11/15/2016
Mueller International, LLC	United States of America	Method And Apparatus For Inexpensively Monitoring And Controlling Remotely Distributed Appliances	12243452	10/01/2008	7752309	07/06/2010
Mueller International, LLC	United States of America	Method And Apparatus For Inexpensively Monitoring And Controlling Remotely Distributed Appliances	10298300	11/18/2002	7444401	10/28/2008
Mueller International, LLC	United States of America	Method And Apparatus For Inexpensively Monitoring And Controlling Remotely Distributed Appliances	12490867	06/24/2009	8140667	03/20/2012

Grantor	Country	Title	Application Number	Filing Date	Patent No.	Issue Date
Mueller International, LLC	United States of America	Method And Apparatus For Inexpensively Monitoring And Controlling Remotely Distributed Appliances	12490925	06/24/2009	7792946	09/07/2010
Mueller International, LLC	United States of America	Method And Apparatus For Inexpensively Monitoring And Controlling Remotely Distributed Appliances	12490957	06/24/2009	7783738	08/24/2010
Mueller International, LLC	United States of America	Method And Apparatus For Inexpensively Monitoring And Controlling Remotely Distributed Appliances	13372408	02/13/2012	8407333	03/26/2013
Mueller International, LLC	United States of America	Method And Apparatus For Inexpensively Monitoring And Controlling Remotely Distributed Appliances	13590954	08/21/2012	8549131	10/01/2013
Mueller International, LLC	United States of America	Method For Adjusting Valve Sealing Engagement	08422817	04/17/1995	<u>5538029</u>	07/23/1996
Mueller International, LLC	United States of America	Method Of Coupling At Least Two Conduits	13103126	05/09/2011	8533926	09/17/2013
Mueller International, LLC	United States of America	Method Of Creating And Maintaining A Sealed Interface Between A Spigot And Bell	13475335	05/18/2012	8528184	09/10/2013
Mueller International, LLC	United States of America	Mode Activation Using Light Detection	14490381	09/18/2014		
Mueller International, LLC	United States of America	Monitoring Of Leakage In Wastewater Force Mains And Other Pipes Carrying Fluid Under Pressure	11766288	06/21/2007	7810378	10/12/2010
Mueller International, LLC	United States of America	Multi-Band Antenna Assembly	14331196	07/14/2014		
Mueller International, LLC	United States of America	Non-Destructive Measurement Of Pipe Wall Thickness	09570922	05/15/2000	6561032	05/13/2003
Mueller International, LLC	United States of America	Non-Destructive Testing Of Pipes	11156573	06/21/2005	7328618	02/12/2008
Mueller International, LLC	United States of America	Non-Destructive Testing Of Pipes	11952582	12/07/2007	7475596	01/13/2009
Mueller International, LLC	United States of America	Non-Interrupt Meter Change Out	13272135	10/12/2011	<u>8667980</u>	03/11/2014

Grantor	Country	Title	Application Number	Filing Date	Patent No.	Issue Date
Mueller International, LLC	United States of America	Non-Metallic Enclosure With Metal Threads	13646892	10/08/2012	8613220	12/24/2013
Mueller International, LLC	United States of America	Nozzle Check Valve	13072702	03/26/2011	8443834	05/21/2013
Mueller International, LLC	United States of America	PC Multimedia-Based Leak Detection System For Water Transmission And Distribution Pipes	09482317	01/14/2000	6453247	09/17/2002
Mueller International, LLC	United States of America	Pipe Coupling Device	10815275	04/01/2004	7004511	02/28/2006
Mueller International, LLC	United States of America	Pipe Coupling Device	13035788	02/25/2011	9441771	09/13/2016
Mueller International, LLC	United States of America	Pipe Repair And Replacement Apparatus And Method	09711958	11/15/2000	<u>6336472</u>	01/08/2002
Mueller International, LLC	United States of America	Pipe Tapping Apparatuses And Systems	11504921	08/16/2006	7901162	03/08/2011
Mueller International, LLC	United States of America	Pit Lid Antenna And Casing	14341211	07/25/2014	9912038	03/06/2018
Mueller International, LLC	United States of America	Plastic Water Meter With Metal Threads	12356240	01/20/2009	7854165	12/21/2010
Mueller International, LLC	United States of America	Plastic Water Meter With Metal Threads	12947272	11/16/2010	8047072	11/01/2011
Mueller International, LLC	United States of America	Plastic Water Meter With Metal Threads	13220739	08/30/2011	8281654	10/09/2012
Mueller International, LLC	United States of America	Position Indicator For Valves	13902092	05/24/2013	9562623	02/07/2017
Mueller International, LLC	United States of America	Real-Time Flow Compensation In Usage Accumulation	14490375	09/18/2014	9891088	02/13/2018
Mueller International, LLC	United States of America	Relay Modules For Communication Within A Mesh Network	13800717	03/13/2013	9287963	03/15/2016
Mueller International, LLC	United States of America	Remotely Actuated Quick Connect/Disconnect Coupling	10856035	05/28/2004	<u>7434781</u>	10/14/2008
Mueller International, LLC	United States of America	Resilient Plug Apparatus And Method Of Use	12792566	06/02/2010	8104517	01/31/2012
Mueller International, LLC	United States of America	Resilient Plug Apparatus And Method Of Use	13341516	12/30/2011	8739834	06/03/2014

Grantor	Country	Title	Application Number	Filing Date	Patent No.	Issue Date
Mueller International, LLC	United States of America	Restraining Joint Device	14084013	11/19/2013	9303803	04/05/2016
Mueller International, LLC	United States of America	Reverse Flow Detection And Annunciation	14490412	09/18/2014	9476740	10/25/2016
Mueller International, LLC	United States of America	Self-Restrained Pipe Joint Method Of Assembly	14469755	08/27/2014	9506591	11/29/2016
Mueller International, LLC	United States of America	Self-Restrained Pipe Joint System	12902888	10/12/2010	8857861	10/14/2014
Mueller International, LLC	United States of America	Sensor-Enabled Gate Valve	13753428	01/29/2013	9021867	05/05/2015
Mueller International, LLC	United States of America	Sensor-Enabled Gate Valve	13753431	01/29/2013	9032781	05/19/2015
Mueller International, LLC	United States of America	Simplified Low Insertion Force Sealing Device Capable Of Self Restraint And Joint Deflection	12711050	02/23/2010	8925977	01/06/2015
Mueller International, LLC	United States of America	Simplified Low Insertion Force Sealing Device Capable Of Self Restraint And Joint Deflection	13113684	05/23/2011	8511690	08/20/2013
Mueller International, LLC	United States of America	Simplified Low Insertion Force Sealing Device Capable Of Self Restraint And Joint Deflection	13284915	10/30/2011		
Mueller International, LLC	United States of America	Simplified Low Insertion Force Sealing Device Capable Of Self Restraint And Joint Deflection	13475353	05/18/2012	8511691	08/20/2013
Mueller International, LLC	United States of America	Sleeve Valve With Sync Cam	13741326	01/14/2013	8960229	02/24/2015
Mueller International, LLC	United States of America	Storm Drain Movable Baffle	10624951	07/21/2003	<u>6955756</u>	10/18/2005
Mueller International, LLC	United States of America	Symmetrical Valve Configuration	10866400	06/11/2004	6886586	05/03/2005
Mueller International, LLC	United States of America	System For Contaminant Isolation And Flushing	13216905	08/24/2011	9624652	04/18/2017
Mueller International, LLC	United States of America	System For Measuring Properties Of Water In A Water Distribution System	14209257	03/13/2014		

Grantor	Country	Title	Application Number	Filing Date	Patent No.	Issue Date
Mueller International, LLC	United States of America	Systems And Methods For Controlling Flushing Apparatus And Related Interfaces	13117963	05/27/2011	9151023	10/06/2015
Mueller International, LLC	United States of America	Systems And Methods For Distributing Data Within A Mesh Network	13556272	07/24/2012	9165456	10/20/2015
Mueller International, LLC	United States of America	Systems And Methods For Dynamic Squelching In Radio Frequency Devices	13339655	12/29/2011	8855569	10/07/2014
Mueller International, LLC	United States of America	Systems And Methods For Generating Power Through The Flow Of Water	12038151	02/27/2008	<u>7605485</u>	10/20/2009
Mueller International, LLC	United States of America	Systems And Methods For Generating Power Through The Flow Of Water	13492410	06/08/2012	9105181	08/11/2015
Mueller International, LLC	United States of America	Systems And Methods For Recovering An Out-Of-Service Node In A Hierarchical Network	14490081	09/18/2014		
Mueller International, LLC	United States of America	Systems And Methods For Remote Utility Metering And Meter Monitoring	11760200	06/08/2007	<u>8279080</u>	10/02/2012
Mueller International, LLC	United States of America	Systems And Methods For Remote Utility Metering And Meter Monitoring	12201429	08/29/2008	<u>7671480</u>	03/02/2010
Mueller International, LLC	United States of America	Systems And Methods For Remote Utility Metering And Meter Monitoring	13585046	08/14/2012	8994551	03/31/2015
Mueller International, LLC	United States of America	Systems And Methods For Time-Based Hailing Of Radio Frequency Devices	13283526	10/27/2011	8660134	02/25/2014
Mueller International, LLC	United States of America	Tamper Detection Through Magnetic Sensing	14490403	09/18/2014	9671254	06/06/2017
Mueller International, LLC	United States of America	Tamper-Resistant Relay Modules For Communication Within A Mesh Network	13840637	03/15/2013	9496943	11/15/2016
Mueller International, LLC	United States of America	Transmitting Data Within A Mesh Network	13556270	07/24/2012	9408251	08/02/2016
Mueller International, LLC	United States of America	Utility Meter Remote Reader	09640864	08/18/2000	<u>6674371</u>	01/06/2004



Grantor	Country	Title	Application Number	Filing Date	Patent No.	Issue Date
Mueller International, LLC	United States of America	Vacuum Pressure Breaker And Freeze Protection For A Water Flushing System	10856465	05/28/2004	<u>7093608</u>	08/22/2006
Henry Pratt Company, LLC	United States of America	Valve Actuator Apparatus	09725087	11/29/2000	<u>6543747</u>	04/08/2003
Mueller International, LLC	United States of America	Valve Meter Assembly And Method	13149720	05/31/2011	8833390	09/16/2014
Mueller International, LLC	United States of America	Valve Meter Assembly And Method	14451896	08/05/2014		
Mueller International, LLC	United States of America	Valve Position Controller	08411889	03/28/1995	<u>5654885</u>	08/05/1997
Mueller International, LLC	United States of America	Valve With Sync Cam	13741329	01/14/2013	8944085	02/03/2015
Mueller International, LLC	United States of America	Water Flushing System Providing Treated Discharge	10856000	05/28/2004	<u>7276159</u>	10/02/2007
Mueller International, LLC	United States of America	Water Meter Housing	29302557	01/18/2008	<u>D583692</u>	12/30/2008
Mueller International, LLC	United States of America	Water Meter Housing	29302559	01/18/2008	<u>D582814</u>	12/16/2008
Mueller International, LLC	United States of America	Wet Barrel Fire Hydrant Flow Preventer	10741866	12/19/2003	<u>7128083</u>	10/31/2006
Mueller International, LLC	United States of America	Wet Barrel Fire Hydrant Flow Preventer	11545140	10/10/2006	<u>7267136</u>	09/11/2007
Mueller International, LLC	United States of America	Wet Barrel Fire Hydrant Flow Preventer	11842374	08/21/2007	7516751	04/14/2009