504187914 01/20/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4234589

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BHARANI KANNAN	12/14/2016
MANIKANDAN KRISHNASWAMY	12/14/2016

RECEIVING PARTY DATA

Name:	TYCO FIRE & SECURITY INDIA PRIVATE LTD		
Street Address:	KUNDALAHALLI MAIN ROAD		
Internal Address:	D-601, CAMPUS D, 6TH FLOOR, RMZ CENTENNIAL		
City:	BANGALORE, KARNATAKA		
State/Country:	INDIA		
Postal Code:	560048		

PROPERTY NUMBERS Total: 1

Property Type	Number	
PCT Number:	US2015032976	

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	F-WR-00018
NAME OF SUBMITTER:	PAMELA BLAKE
SIGNATURE:	/Pamela Blake/
DATE SIGNED:	01/20/2017

Total Attachments: 4

source=F-WR-00018 Assignment India Inventors to Tyco F&S India Private Recorded#page1.tif source=F-WR-00018 Assignment India Inventors to Tyco F&S India Private Recorded#page2.tif source=F-WR-00018 Assignment India Inventors to Tyco F&S India Private Recorded#page3.tif source=F-WR-00018 Assignment India Inventors to Tyco F&S India Private Recorded#page4.tif

PATENT REEL: 041023 FRAME: 0571 504187914

Assignment of Patent Application(s) & Letters Patent

WHEREAS, we, Bharani Kannan, having a place of residence at 41/2, Plot No. 70, JB Estate First Main Road, Avadi, Chennai, 600 054, India, and Manikandan Krishnaswamy having a place of residence at 301, Venkateshwara Arcade, 3rd Main, Madiwala, Bangalore 560 068, India have invented certain new and useful improvements described in Schedule A:

WHEREAS, TYCO FIRE & SECURITY INDIA PRIVATE LTD, (hereinafter referred to as "Assignee"), having a registered office at D-601, Campus D, 6th Floor, RMZ Centennial, Kundalahalli Main Road, Bangalore, Karnataka 560 048 India, is desirous of acquiring the full and exclusive right, title and interest in and to the invention, the application(s), and any and all Letters Patent or similar legal protection, to be obtained therefore in the United States and its territorial possessions and in any and all foreign countries;

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

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

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

The undersigned hereby grant(s) Assignee or said Assignee's representative, the power to insert on this Assignment any further identification, including the application number(s) and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 14 Dec 16 K Bhasan Bharani Kannan

to be his free act and deed this _____ day of _____, 20___.

Before me personally appeared said Bharani Kannan and acknowledged the foregoing instrument

Names of additional inventors attached? [X] yes [] no

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The undersigned hereby grant(s) Assignee or said Assignee's representative, the power to insert on this Assignment any further identification, including the application number(s) and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: Will Dec 16 Manikandan Krishnaswamy

Notary

Before me personally appeared said Manikandan Krishnaswamy and acknowledged the foregoing instrument to be his free act and deed this ______ day of ______, 20____.

Names of additional inventors attached? [] yes [X] no

SCHEDULE A

US PATENTS	Country	Registration Number	Grant Date	Title
US / PCT Patent Applications	Country	Serial Number	Filing Date	Title
	WO	PCT/US15/32976	28-May-2015	SPRINKLER INSTALLATION TOOLS AND METHODS
	US	62/005777	30-May-2014	SPRINKLER INSTALLATION TOOLS AND METHODS
	US	62/068442	24-Oct-2014	SPRINKLER INSTALLATION TOOLS AND METHODS
	US	62/107917	26-Jan-2015	SPRINKLER INSTALLATION TOOLS AND METHODS
	US	15/314622	29-Nov-2016	SPRINKLER INSTALLATION TOOLS AND METHODS
Foreign Patents	Country	Registration Number	Grant Date	Title
Foreign Patent	Country	Serial Number	Filing Date	Title
Applications	AU	2015266907	19-Dec-2016	SPRINKLER INSTALLATION TOOLS AND METHODS
	CA	2950747	29-Nov-2016	SPRINKLER INSTALLATION TOOLS AND METHODS
	CN		04-Jun-2015	SPRINKLER INSTALLATION TOOLS AND METHODS
	ÉP	15727272.5	19-Dec-2016	SPRINKLER INSTALLATION TOOLS AND METHODS

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RECORDED: 01/20/2017