

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4716804

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JING HUANG	12/04/2017
XINCHUN GUI	12/04/2017
JINPENG TANG	12/02/2017
JIANGUO YIN	12/02/2017
QIUHONG XU	12/02/2017
AIHUA XIE	12/04/2017
AIHUA TANG	12/02/2017
RECEIVING PARTY DATA	
Name:	ZHUZHOU SOUTHERN VALVE CO. LTD.
Street Address:	NO. 215 THE YELLOW RIVER SOUTH ROAD
Internal Address:	TIANYUAN DISTRICT, ZHUZHOU CITY
City:	HUNAN
State/Country:	CHINA
Postal Code:	412007
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15579498
CORRESPONDENCE DATA	
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<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 4:	CHARLOTTE, NORTH CAROLINA 28280-4000
ATTORNEY DOCKET NUMBER:	066072/507815
NAME OF SUBMITTER:	CHRISTOPHER TL DOUGLAS
SIGNATURE:	/Christopher TL Douglas/

PATENT

DATE SIGNED:	12/04/2017
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Total Attachments: 8
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ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

ZHUZHOU SOUTHERN VALVE CO. LTD.
No. 215 The Yellow River South Road, Tianyuan District
Zhuzhou City
Hunan, China 412007

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention in **“WATER HAMMER-PROOF AIR VALVE AND WATER HAMMER-PROOF EXHAUST METHOD FOR IN-USE PIPELINE”**

as set forth in this United States Patent Application

- executed concurrently herewith
- executed on _____
- Application No. _____ ; filed _____
- Application is a national phase entry of International Application No. PCT/CN2016/083881, filed May 30, 2016, which claims priority from Chinese Application No. 201510304974.3, filed June 5, 2015, all applications listed above being hereinafter referred to as the “application(s)”;

(We hereby authorize and request the Assignee and its attorney (Alston & Bird LLP) to insert above the application number and filing date of said application when known.)

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and

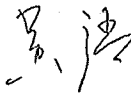
particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

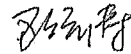
This Assignment is deemed to be effective at least as early as the earliest priority date.

2017年12月4日

Date



Jing HUANG



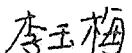
First Witness

2017.12.4

Date

Du Litao

Printed Name of First Witness



Second Witness

2017.12.4

Date

Li Yumei

Printed Name of Second Witness

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2017. 12. 4
Date

徐新春
Xinchun GUI

刘利涛
First Witness

2017. 12. 4
Date

Ou Litao
Printed Name of First Witness

李梅
Second Witness

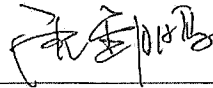
2017. 12. 4
Date

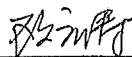
Li Yumei
Printed Name of Second Witness

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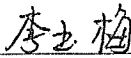
2017.12.2
Date


Jinpeng TANG


First Witness

2017.12.4
Date

Ou Litao
Printed Name of First Witness


Second Witness

2017.12.4
Date

Li Yumei
Printed Name of Second Witness

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2017.12.2
Date

殷建国
Jianguo YIN

欧立涛
First Witness

2017.12.4
Date

Ou Litao
Printed Name of First Witness

李玉梅
Second Witness

2017.12.4
Date

Li Yumei
Printed Name of Second Witness

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2017.12.02
Date

徐秋红
Qihong XU

欧立涛
First Witness

2017.12.4
Date

Ou Litao
Printed Name of First Witness

李玉梅
Second Witness

2017.12.4
Date

Li Yumei
Printed Name of Second Witness

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2017.12.4.
Date

谢爱华
Aihua XIE

欧利涛
First Witness

2017.12.4
Date

Ou Litao
Printed Name of First Witness

李梅
Second Witness

2017.12.4
Date

Li yumei
Printed Name of Second Witness

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2017.12.2
Date

唐爱华
Aihua TANG

欧立涛
First Witness

2017.12.4
Date

Ou Litao
Printed Name of First Witness

李玉梅
Second Witness

2017.12.4
Date

Li Yumei
Printed Name of Second Witness