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Patent Search

Invention Title	DEVICE TO REGULATE FLOW OF FLUID AND METHOD EMPLOYED THEREOF
Publication Number	35/2018
Publication Date	31/08/2018
Publication Type	INA
Application Number	201841031241
Application Filing Date	21/08/2018
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Priority Country	
Priority Date	
Field Of Invention	COMMUNICATION
Classification (IPC)	G06F 1/00

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Applicant

Name	Address	Country	Nationality
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Abstract:

Exemplary embodiments of the present disclosure are directed towards a device to regulate flow of fluid and method employed thereof. The device comprising: inlet206 configured to connect with connector 202, connector 202 coupled with duct214 to allow the fluid from inlet 206. L-joint308 configured to allow the fluid to pass through circular mesh310, circular mesh310 configured to reduce the pressure inside duct214. Outlet nozzle312 configured to drive the fluid through angular joint212, angular joint214 configured to allow the fluid to drive out from outlet nozzle312 of the duct214. Ultrasonic sensors104a-104b configured to transmit ultrasonic signals to transceivers112a-112b, transceivers112a-112b configured to receive ultrasonic signals emitted by the ultrasonic sensors104a-104b via a processing device108 to detect the distance of an object and electric panels302a-302b configured to convert the ultrasonic signals into digital output signals to trigger a servomotor102, servomotor102 configured to regulate a digital control valve110 via processing device108. FIG. 3A

Complete Specification

Claims:As claimed in:

1. A device to regulate the flow of fluid comprising:

an inlet 206 configured to connect with a connector 202, whereby the connector 202 coupled with a duct 214 to allow the flow the fluid from the inlet 206;

an L-joint 308 configured to allow the fluid to pass through a circular mesh 310, whereby the circular mesh 310 configured to reduce the pressure inside the duct 214;

an outlet nozzle 312 configured to drive the fluid through an angular joint 212, whereby the angular joint 212 configured to allow the fluid to drive out from the outlet nozzle 312 of the duct 214:

one or more ultrasonic sensors 104a-104b configured to transmit ultrasonic signals to one or more transceivers 112a-112b, whereby the one or more transceivers 112a-112b configured to receive ultrasonic signals emitted by the one or more ultrasonic sensors 104a-104b via a processing device 108 to detect the distance of an object; and

one or more electric panels 302a-302b configured to convert the ultrasonic signals into digital output signals to trigger a servomotor 102, whereby the servomotor 102 configured to regulate a digital control valve 110 via the processing device 108

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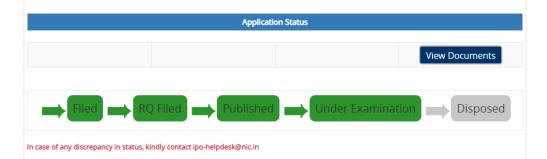
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Office of the Controller General of Patents, Designs & Trade Marks Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India



	Application Details
APPLICATION NUMBER	201841031241
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	21/08/2018
APPLICANT NAME	Dr. GANDIKOTA RAMU
TITLE OF INVENTION	DEVICE TO REGULATE FLOW OF FLUID AND METHOD EMPLOYED THEREOF
FIELD OF INVENTION	COMMUNICATION
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ADDITIONAL-EMAIL (As Per Record)	naresh@prometheusip.com
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REQUEST FOR EXAMINATION DATE	21/08/2018
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FORM 1 THE PATENTS ACT, 1970 (39 of 1970) &

THE PATENTS RULES, 2003
APPLICATION FOR GRANT OF PATENT

[See sections 7,54 & 135 and rule 20(1)]

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Filing Date:
Amount of Fee Paid:

CBR No.:

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Sr.No.	Name	Nationality	Address
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SIDDART	НА				Hyderabad-500054	, Telangana, India.
B. TITLE OF THE EMPLOYED TH		ION: D	EVICE TO I	REGUL	ATE FLOW OF FLUID	AND METHOD
4. ADDRESS FO AUTHORISED I Prometheus Paten Sinman, 1st Floor, Colony, Road No. Telangana, India.	PATENT A t Services Po HUDA He	GENT vt Ltd, l ights, N	IN INDIA: Plot No. 34B, lear Lotus Pon	Sai Dwa nd, MLA	Telephone No.: 99	
5. PRIORITY PA	RTICULA	RS OF	THE APPLI	CATIO	N(S) FILED IN CONVE	NTION COUNTRY:
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8. PARTICULA	RS FOR FI	LING	PATENT OF	ADDIT		
Main App	lication / Pa	atent N	umber:		Date of Filing of Main	n Application
9. DECLARAT	ONS:	1				
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(b) Signature(s) of the inventor(s): (b) (b) (b) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	W Bul Vales
(c) Name(s): Dr. GANDIKOTA RAMU, Dr. G. RAMESH, Dr. CH. MALLIKARJU	<i>N</i> / <i>v</i> =
ILÈÉP KUMÁR REDDY,D. KISHORE BABU,ROKKAM MOHIT RAO,PAVANI IVA SAI SIDDARTHA	
(ii) Declaration by the applicant(s) in the convention country	
I/We, the applicant(s) in the convention country declare that the applicant(s) herein	n is/are my/our assignee
legal representative.	
(a) Date:	
(b) Signature(s):	
(c) Name(s) of the singnatory: Dr. GANDIKOTA RAMU	
(:::) Padawation by the applicant(s)	
(iii) Declaration by the applicant(s)	
• The Complete specification relationg to the invention is filed with this applied	cation.
 I am/We are, in the possession of the above mentioned invention. There is no lawful ground of objection to the grant of the Patent to me/us. 	
There is no in the first of the	
D. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION:	
Sr. Document Description	FileName
1 CLAIMS UNDER RULE 1 (PROVISIO) OF RULE 20	Claims.pdf
1 CLAIMS UNDER RULE 1 (PROVISIO) OF RULE 20 2 REQUEST FOR EARLY PUBLICATION(FORM-9)	Claims.pdf Form 9.pdf
1 CLAIMS UNDER RULE 1 (PROVISIO) OF RULE 20 2 REQUEST FOR EARLY PUBLICATION(FORM-9) 3 REQUEST FOR EXAMINATION (FORM-18)	Claims.pdf Form 9.pdf Form 18.pdf
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