

REPUBLIC OF SOUTH AFRICA



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PATENTS ACT, 1978

CERTIFICATE

In accordance with section 44 (1) of the Patents Act, No. 57 of 1978, it is hereby certified that:

Dr. S. Balakrishnan; Dr. J. Janet; Dr. P. Kavitha Rani; Dr. S. Venkata Lakshmi; Dr. L. Prabhu; Dr. G. Vijaya; Dr. P. Mohan Kumar; Dr. S. Vinodhkumar; ETB Samuel Jigme Harrison; **Dr. Ravi Kumar Poluru**

Has been granted a patent in respect of an invention described and claimed in complete specification deposited at the Patent Office under the number

2022/13006

A copy of the complete specification is annexed, together with the relevant Form P2.

In testimony thereof, the seal of the Patent Office has been affixed at Pretoria with effect from the 22nd day of February 2023

A handwritten signature in black ink, appearing to be 'R. Poluru', written over a horizontal dotted line.

Registrar of Patents

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51	A47L		23	2022/11/30	
	2023/02/22				
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Priority claimed:		Country	Number	Date	
54	Title of invention				
AN INTERNET OF THINGS-BASED DRAINAGE PIPES CLEANING ROBOT SYSTEM					
Address of applicant(s)/patentee(s):					
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SOUTH AFRICA

Reference No.

61 Patent of addition No.

Date of any change

Fresh application based on.

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RENEWAL SHEET

Year	Payment Date	Receipt Number	Amount
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HISTORY SHEET

Date entry made	Description
2022-12-01	Request for the acceptance of a Patent electronically filed on 30/11/2022, numbered 2022/13006
2022-12-01	Proof reading performed automatically
2023-01-24	Application accepted on 24/01/2023.
2023-02-23	Patent advertised on 22-02-2023.
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