

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011045323 A

(19) INDIA

(22) Date of filing of Application :18/10/2020

(43) Publication Date : 22/04/2022

(54) Title of the invention : LINE MARKING DEVICE

(51) International classification	:G05D0001020000, B30B0015300000, B25J0019020000, H04N0007180000, B23Q0015220000	(71)Name of Applicant : 1)Chandigarh University Address of Applicant :National Highway 95, Chandigarh- Ludhiana Highway, Mohali, Punjab 140413, India. Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Ranjit Kumar Bindal
(33) Name of priority country	:NA	2)Inderpreet Kaur
(86) International Application No	:NA	3)Pardeep Kumar
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A line marking device comprises of a body 1 having a storage tank 6 for storing chalk powder having multiple cavities 2 for sprinkling the powder on a surface in order to mark lines, a motorized camera 3 fabricated on the body 1 for capturing real time image/video, a control unit 7 installed with the camera 3 for processing and uploading the image/video over a cloud network, a motor mapped on the body 1 and connected with the control unit 7 for controlling movement of the body 1 upon rotating in clockwise/anticlockwise direction, multiple wheels 4 connected with the motor rotating in clockwise/anticlockwise direction in order to move the body in desired direction, a sensor installed in the tank 6 for sensing the level of powder stored in the tank 6, multiple solenoid valve 8 connected with the tank 6 for providing flow of the powder over the cavity 2.

No. of Pages : 17 No. of Claims : 8