

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211064903 A

(19) INDIA

(22) Date of filing of Application :12/11/2022

(43) Publication Date : 02/12/2022

(54) Title of the invention : AUTOMATIC SUGARCANE SOWING DEVICE

(51) International classification :B65D0081380000, G02B0021360000, G06F0003160000, A01D0045100000, G06F0003042000

(86) International Application No :NA  
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

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(57) Abstract :

An automatic sugarcane sowing device comprises of a cuboidal body 1 located above a field, a touch enabled screen 2 to provide the distance between the consecutive sugarcanes, motorized omnidirectional wheels 3 to maneuver the body 1, an opening 5 on first end of a chamber 4 for placing sugarcanes , a conveyer 6 to transfer sugarcanes towards second end of chamber 4, a motorized iris lid 8 to place sugarcanes in a vessel 7, an artificial intelligence enabled image capturing module 9 and an ultrasonic sensor to detect dimensions of the sugarcane, a robotic arm 10 equipped with a motorized cutter to cut e sugarcane in multiple pieces of equal dimensions, a motorized slidable lid 12 to transfer e pieces and a digging unit 14 to dig soil on field and a motorized door 15 to transfer pieces of sugarcane inside digged soil.

No. of Pages : 15 No. of Claims : 5

  
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