(54) Title of the invention : NUTSHELL BREAKING DEVICE

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(57) Abstract :

The present invention relates to a nutshell breaking device comprising of a body 1 installed with a hollow conduit 2 , provides an access to a user to put nutshell(s) within the body 1, a platform 3 for receiving the nutshell, a primary Artificial intelligence (AI) based camera 5 for capturing diameter of the nutshell and generates a command to actuate a motor 7 , a hydraulic plunger 6 hits the nutshell to break the nutshell, a flipping collecting unit 8 for collecting the broken nutshell, wherein the first iris unit 4 opens to deliver the broken nutshell to the collecting unit 8 , wherein the collecting unit 8 flips and the second iris unit 9 opens to remove the received broken nutshell, a conveyer 10 for transporting the segregated nuts and shells to pair of containers 12 , wherein the arms 11 pick and put the nuts and shells in the containers 12 . Ref Figure 1

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