

(54) Title of the invention : NUTSHELL CRACKING SYSTEM

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(57) Abstract :

The present invention relates to a nutshell cracking system comprising of a stand 1 for positioning a nut 2, wherein the stand 1 contains a concave top to avoid the nut 2 from falling down, at least a pair of suction cups 3 allowed to adhere on the nut 2 for creating vacuum via negative air pressure induced on the nut 2, wherein rear end of the cup 3 fastens a pipe 4 for removing the air, a motor 5 connected to the pipe 4 for generating pressure thereof, wherein a barometer 6 measures the value of the pressure, at least one exhaust fan 7 mounted on the motor 5 for pulling out the air from the pipe 4, thereof linked to at least one manifold 8 for ejecting out the air, at least one hydraulic pump 9 filled with a fluid for generating hydraulic energy derived from fluid flow and an actuator 10 that utilizes energy generated from the flow to exert pressure sufficient to break the nutshell.

