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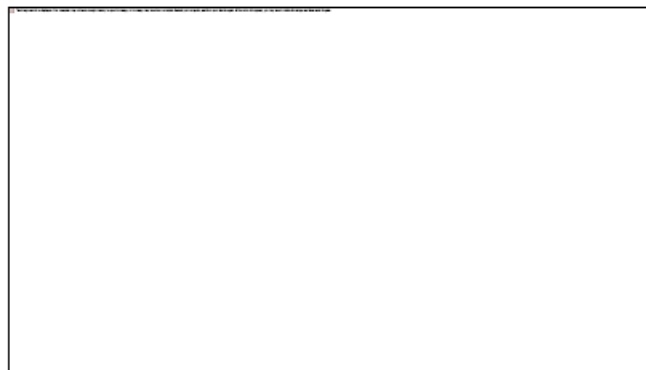
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(54) Title of the invention : STIFFNESS MEASUREMENT OF WALNUTS, METHOD AND ITS USE

(51) International classification	:A47J0043260000, A23N0005000000, C02F0001000000, G01N0003400000, A61K0036520000	(71)Name of Applicant : 1)MOHAN LAL AGGARWAL Address of Applicant :J C BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY,YMCA FARIDABD- 121006,INDIA Haryana India 2)AKANKSHA MISHRA
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(57) Abstract :

Various methods are used for cracking a walnut shell includes nutcracker, knife cracker, hammers to break into walnuts, closing a door on a walnut, just hold walnut in the palm of your hand and squeeze with thumb, strike a walnut on the floor and crack with teeth. A new scientific approach based on stiffness measurement of walnuts is invented. Stiffness is load per unit displacement and it was measured using load cell & a linear scale on a fabricated walnut stiffness tester. A user of walnuts identifies the quality and cracking method of walnut shell according to the specified stiffness.



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