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(51) International classification	:A47J0037060000, G01N0033020000, F24C0007080000, G01N0022040000, F26B0025220000	(71) <b>Name of Applicant :</b> <b>1)Chitkara Innovation Incubator Foundation</b> Address of Applicant :SCO: 160-161, Sector -9C, Madhya Marg, Chandigarh- 160009, India. Chandigarh India
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(57) Abstract :

The present disclosure provides an apparatus for reducing moisture from food grains. The apparatus includes: a hopper coupled with a housing configured to receive food grains from inlet of hopper and hold food grains; a set of sensors, operatively coupled with the hopper, configured to measure moisture content in food grains; a plurality of hot plates operatively coupled to the hopper, and configured to allow flow of food grains to an outlet; a plurality of heating rods such that at least one of the plurality of heating rods is operatively coupled to a corresponding at least one of the plurality of hot plates; and control unit operatively coupled to the plurality of heating rods and configured to control heating, using the plurality of heating rods, of the food grains, based on the measured moisture content in the food grains, flowing via the plurality of hot plates.



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