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(54) Title of the invention : APPARATUS FOR CURD SETTLING AND COOLING

(51) International classification	:H04L0029080000, G16H0040630000, G01N0033040000, A23C0003040000, A23C0019076000	(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 :

An apparatus (100) for curd settling and cooling that enables curd settling for a pre-defined number of cycles without requiring adding fresh curd for curd settling of milk. The apparatus comprises a container (104) to receive milk for curd settling, a curd compartment (116) to receive and store curd. A heating element (106) and a freezing element (112) are provided in container (104) to heat the milk and warm the milk respectively to a predefined temperature. A control unit (110) operatively connected to one or more sensors (108), and based on set of signals received from said one or more sensors (108), the control unit is configured to enable container (104) to receive said second predefined quantity of said curd from said curd compartment (116). A second freezing element (118) to freeze the curd in curd compartment (116) may be provided on a lid (114).

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