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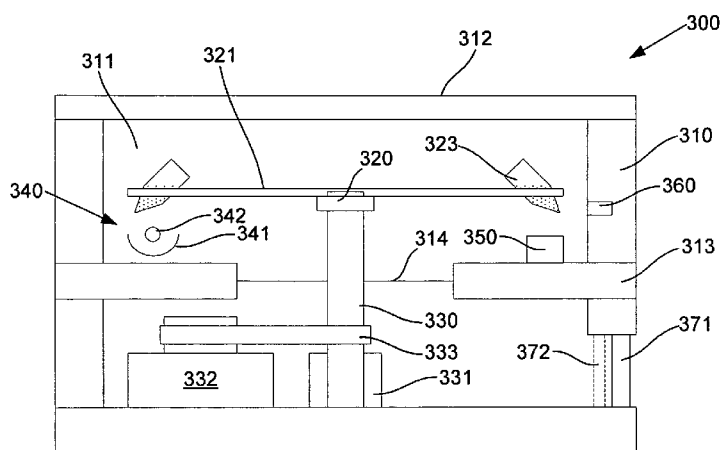


Fig. 3A

(57) Abstract: Apparatus for controlling the temperature of a reaction mixture held within a reaction container, the apparatus including a radiation source for exposing the reaction container to radiation thereby heating the reaction mixture, a temperature sensor for sensing a temperature indicative of a reaction mixture temperature and a controller for controlling the radiation source in accordance with the reaction mixture temperature to thereby selectively heat the reaction mixture.