

[54] TEMPERATURE CONTROL APPARATUS FOR A CENTRIFUGAL-TYPE CHEMISTRY ANALYZER

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[21] Appl. No.: 258,259

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[52] U.S. Cl. 219/389, 165/39, 219/370, 219/441, 219/494, 233/11

[51] Int. Cl. F27b 7/00, F27d 11/02

[58] Field of Search 219/370, 385, 388, 389, 219/400, 413, 430, 441, 494; 34/8, 58, 59; 165/39; 233/11

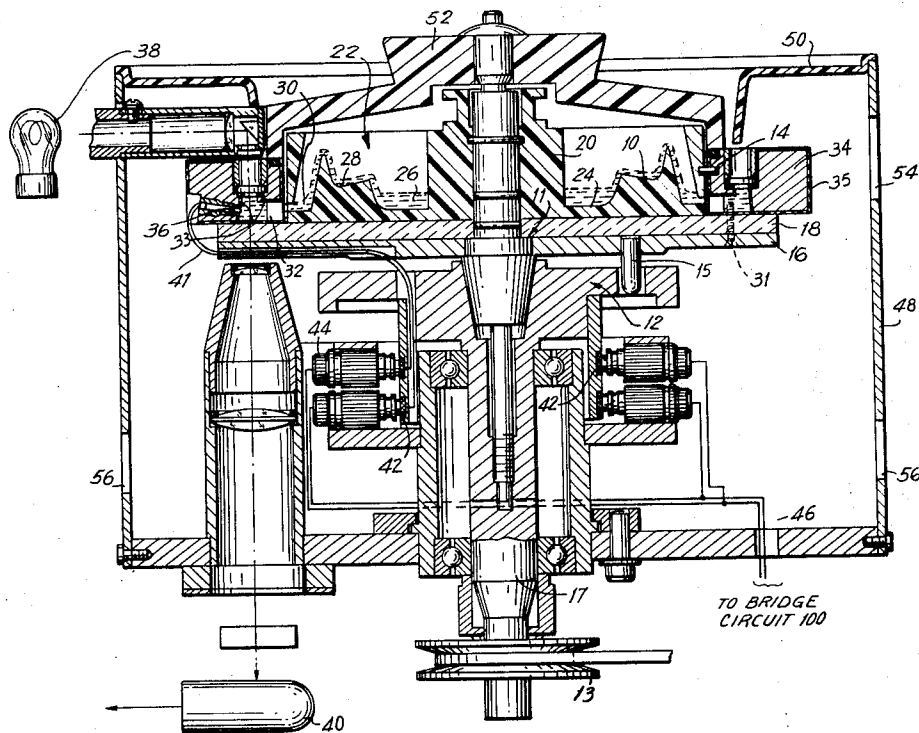
[57] ABSTRACT

A temperature control apparatus for raising and controlling the temperature of small volumes of liquid by heating the liquid and detecting the instantaneous temperature and rate of temperature increase and utilizing this information to control the heating of the liquid so that the desired liquid temperature is attained and maintained in a minimum time interval.

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4 Claims, 5 Drawing Figures



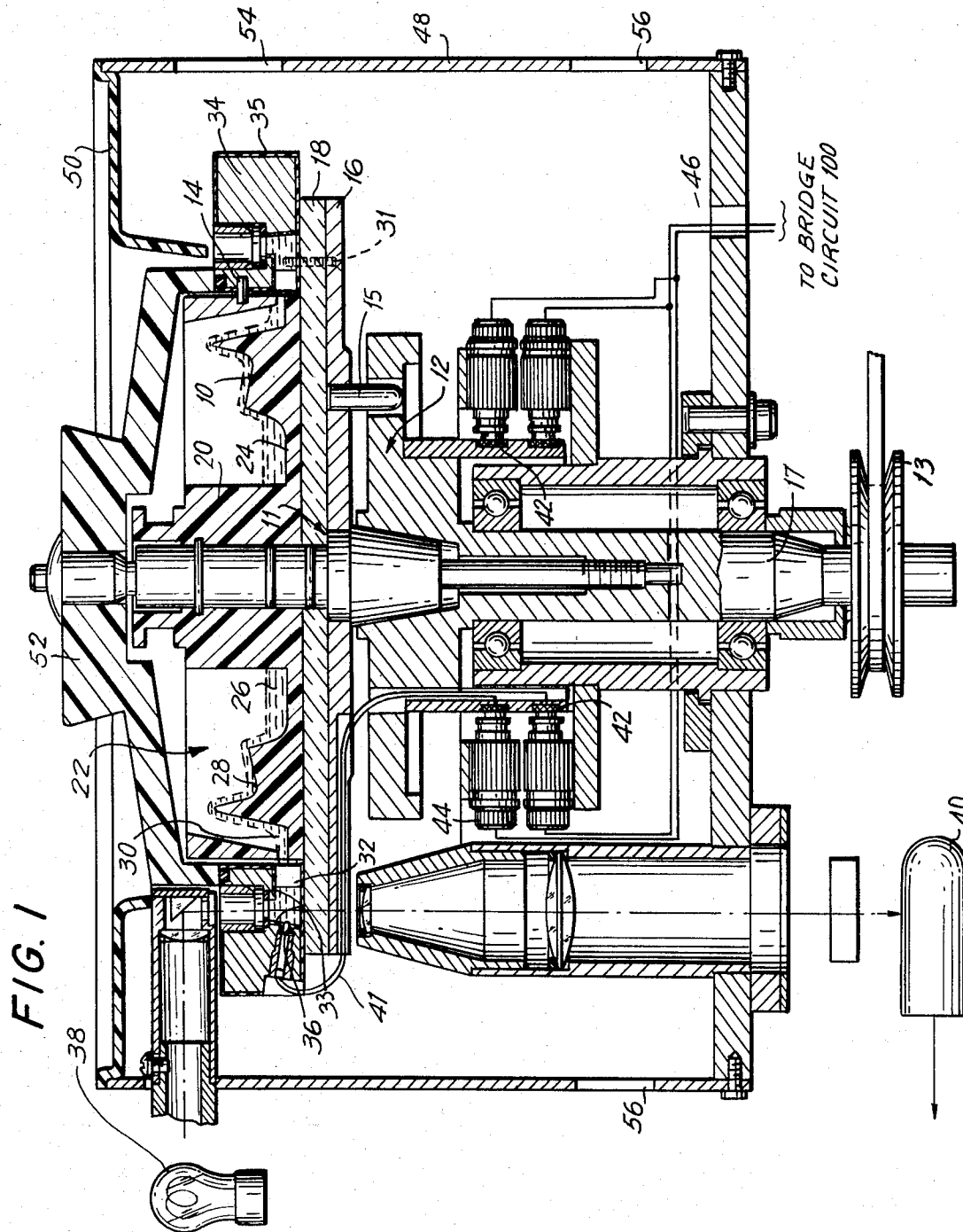


FIG. 1

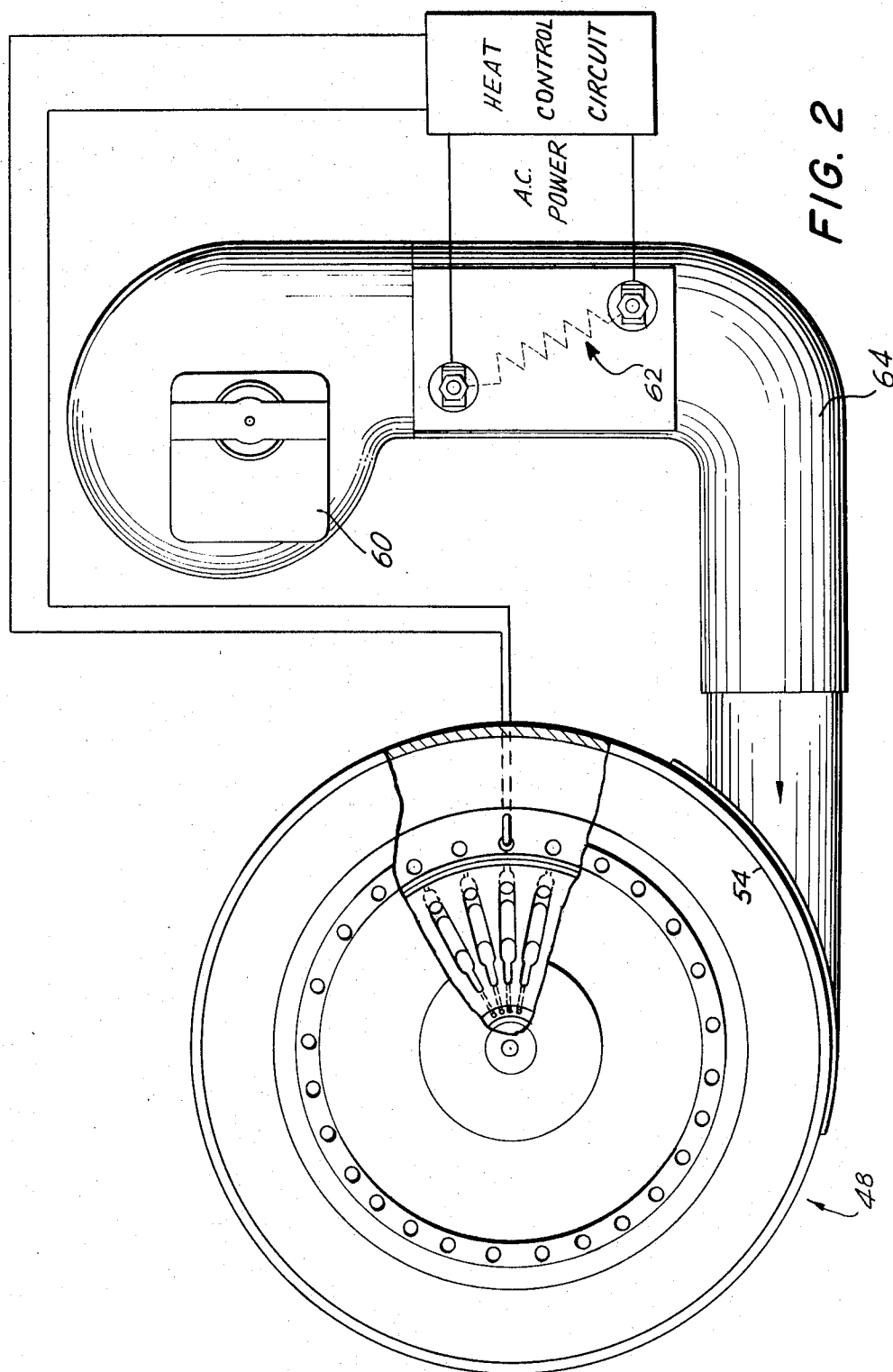
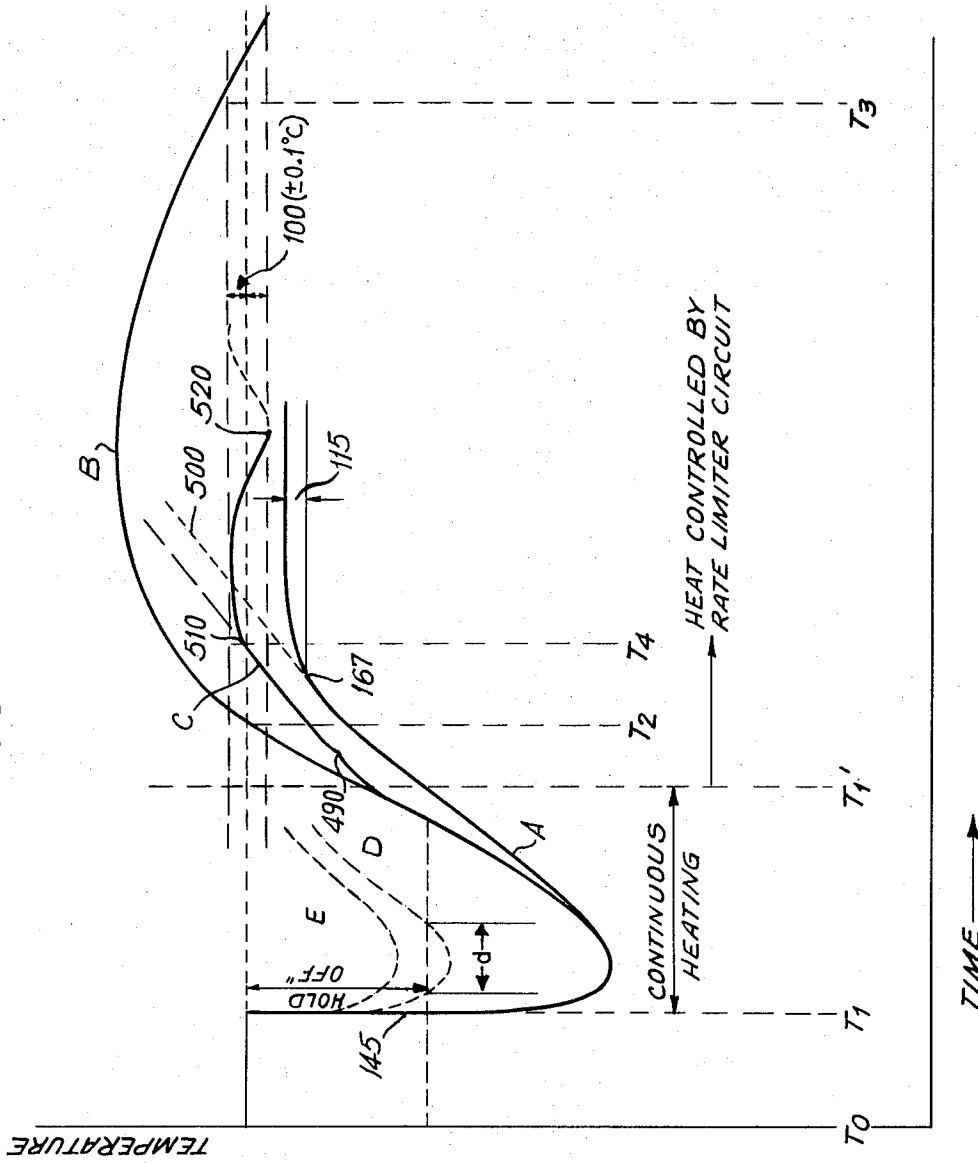


FIG. 2

FIG. 3



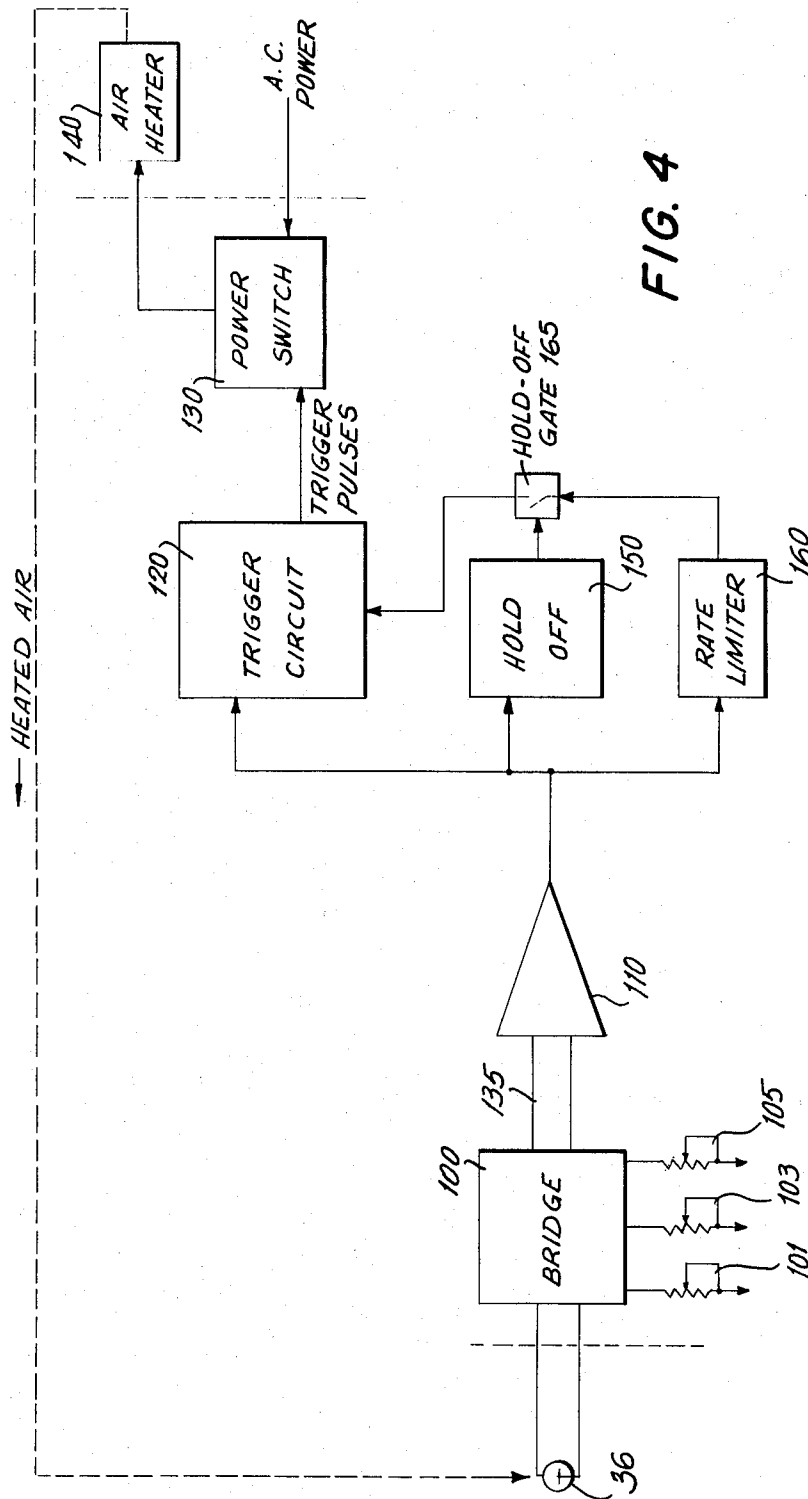


FIG. 4

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