



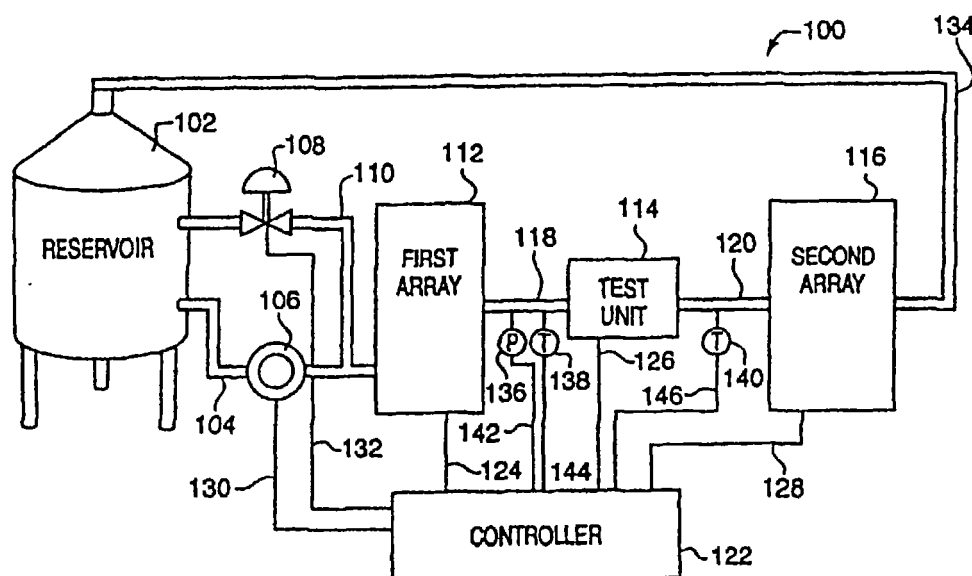
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(54) Title: FLOWMETER CALIBRATION SYSTEM WITH STATISTICAL OPTIMIZATION TECHNIQUE



(57) Abstract

A flow meter calibration system (100) uses a plurality of Coriolis effect mass flow meters (216, 218, 220, 222, 324, 326, 328, and 330) formed in two arrays (112, 116) to calibrate a meter under test (114). The method of system operation (P500) adjusts flow rates to optimum levels for certainty of measurement and performs a statistical analysis permitting the system to be used even in the calibration of other Coriolis flowmeters.

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