



162162
JUN 22 1972



GMM

- 50 -

LIQUID DETECTING APPARATUS, LIQUID-AMOUNT DETECTING
APPARATUS, LIQUID DETECTING METHOD, AND LIQUID-AMOUNT
DETECTING METHOD

ABSTRACT OF THE DISCLOSURE

A liquid-amount detecting apparatus detects the amount of a liquid in containers. The liquid-amount detecting apparatus includes a liquid detecting circuit and a determining unit. The liquid detecting circuit includes electrode units disposed so as to be in contact with the liquid in the containers, which becomes electrically conductive when in contact with the liquid, an impedance, and an AC-signal source. An AC signal not containing a DC component is input from the AC-signal source to the electrode units through the source impedance, and a signal representing the status of electric connection of the electrode units is output. Furthermore, based on the output signal, a binary signal representing the presence or absence of electrical connection of the electrode units is output. The determining unit determines the presence or absence of the liquid at the electrode units based on the binary signal output from the liquid detecting circuit.

Fig. 4