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(54) **Title:** A SALINITY METERING SYSTEM FOR FOOD WITH IMPROVED ACCURACY AND A METHOD OF USING THE SYSTEM

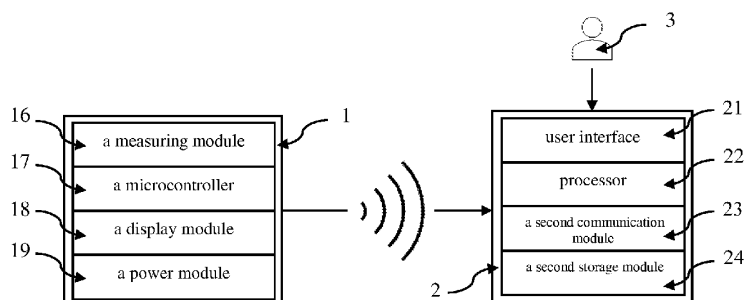


Fig. 3

(57) **Abstract:** A metering system for deriving a refined amount or a concentration of an edible salt dissolved in an aqueous solution, forming part of a pool of ions, of a food is disclosed. The disclosed system comprises a sampling device to sample a raw value of an electrical conductivity based on an electrical current supplied and passed through the aqueous solution; a user terminal comprising an interface for receiving an input from a user that the input comprises any one or a combination of a name of the food, ingredients of the food and a taste of the food, the user terminal being configured to transmit the input to the processor; and a database storing a plurality of reference values each being associated with the name of the food, the ingredients of the food, volume of the aqueous solution. Preferably, the processor computes the refined amount or concentration of the edible salt in the aqueous solution using both the unrefined salt concentration and the reference value.

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