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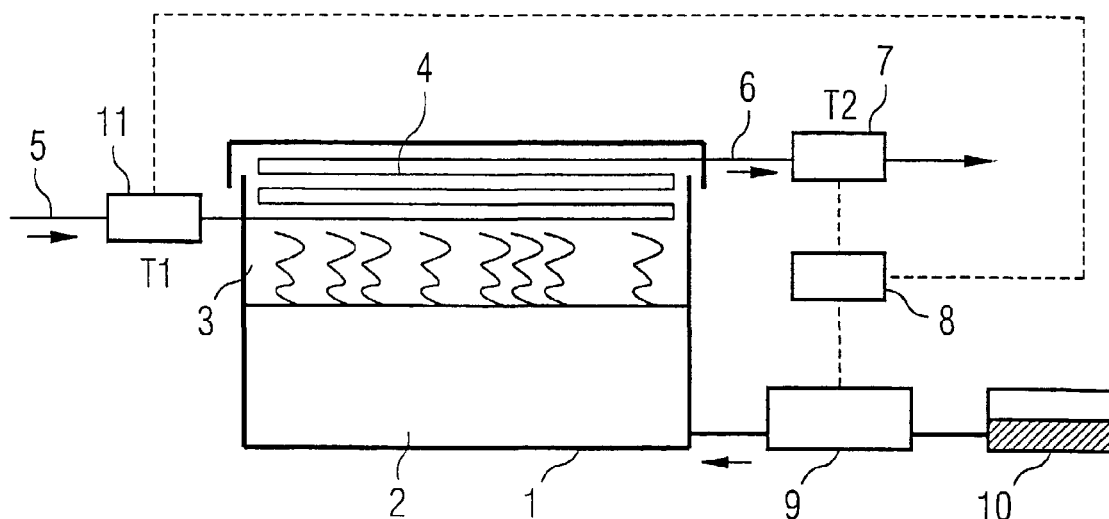
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(54) Title: METHOD AND APPARATUS FOR MEASURING AND CONTROLLING THE WATER CONTENT OF A WATER
CONTAINING LIQUID MIXTURE



(57) **Abstract:** An apparatus for measuring the water content of a water containing liquid mixture (2) contained in a tight chemistry tank (1) comprises a heating device for controlling the temperature of said liquid mixture to a temperature near the boiling point of said liquid mixture, a cooling medium system (4), disposed at the top of the tight chemistry tank (1), having a cooling medium inlet (5) and a cooling medium outlet (6), a temperature measurement system (7) for determining the temperature difference between cooling medium inlet (5) and cooling medium outlet (6), and a computing device (8) for calculating the water content of said liquid mixture (2) from said temperature difference. An apparatus for controlling the water content of a water containing liquid mixture (2) comprises the apparatus for measuring the water content of a water containing liquid mixture as defined above, a tank (10) for supplying water to said liquid mixture, and a control system (9) for adjusting the amount of water supplied from said tank (10) on the basis of the water content measured by said apparatus for measuring the water content.