

Title (en)
METHOD FOR DETECTING AN UNACCEPTABLY HIGH DEGREE OF CALCIFICATION IN A WATER-CARRYING HOUSEHOLD APPLIANCE

Title (de)
VERFAHREN ZUM FESTSTELLEN EINES UNZULÄSSIG HOHEN VERKALKUNGSGRADES IN EINEM WASSERFÜHRENDEN
HAUSHALTSGERÄT

Title (fr)
PROCEDE POUR DETECTER UN DEGRE D'ENTARTRAGE INACCEPTABLE DANS UN APPAREIL MENAGER VEHICULANT DE L'EAU

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Application
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Abstract (en)
[origin: DE19721976A1] The invention relates to a method for detecting an unacceptably high degree of scale in an optical measuring section for measuring the turbidity of a lye in a household appliance which operates using calcareous water, such as a washing machine or a dishwasher. The household appliance has a circuit for evaluating the measuring signals from the measuring section (1) and a microprocessor (5) for transferring the measuring results to the sequential control of the appliance. This method is suitable for indicating an unacceptable degree of scale and for taking into account a deterioration of the measuring section due to scaling when determining the turbidity of the lye. Before or during first use of the appliance, a threshold value for acceptable deterioration of the measuring section by future scaling is memorized. During each operating cycle of the appliance, the deterioration of the measuring section during a cycle section which is carried out without turbid lye is measured and converted into a measured value, which is then compared to the threshold value. The microprocessor emits a control signal to the sequential control when the measured value reaches, or nearly reaches, the threshold value.

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