

Title (en)

METHOD FOR CONTROLLING A DOSING APPLIANCE FOR A FLOWABLE DETERGENT OR WASHING AGENT

Title (de)

VERFAHREN ZUR STEUERUNG EINES DOSIERGERÄTES FÜR FLIEßFÄHIGE WASCH- ODER REINIGUNGSMITTEL

Title (fr)

PROCÉDÉ DE COMMANDE D'UN APPAREIL DE DOSAGE POUR DES LESSIVES OU DÉTERGENTS FLUIDES

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Application

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Abstract (en)

[origin: WO2012072376A1] The invention relates to a method for controlling a dosing appliance (5) of a stand-alone dosing system for a flowable detergent or washing agent, preferably for using in a dishwasher machine. Said dosing system (4) consists of a dosing appliance (5) and a container for at least one washing agent, that is embodied as a cartridge (11). Said dosing appliance (5) comprises a housing (6), at least one energy source (7) arranged inside the housing, at least one actuator (16) for carrying out the dosing, and an electronic control unit (8) for controlling at least the actuator (16). A conductivity sensor (8) connected to the control unit (8) in a circuit and open to the surroundings of the dosing appliance (5) is arranged on the housing (6). The method for such a dosing appliance (5) is carried out in such a way that, during the running of a washing cycle comprising at least two different rinsing stages (S1, S2), the conductivity measuring value (L) respectively instantaneously determined by the conductivity sensor (18) is continuously or discontinuously assessed by the control unit (8); the sequence of determined conductivity measuring values (L) is evaluated by the control unit (8) in terms of the course of the absolute value of the conductivity (L) and in terms of the gradient of the course (dL/dt) of the conductivity; and then, if the instantaneously measured conductivity measuring value (L) exceeds a maximum conductivity measuring value (L_{max}) determined in the first rinsing phase (S1), and the gradient of the course (dL/dt) of the conductivity measuring value exceeds a certain threshold value (D), this is evaluated by the control unit (8) as being a water renewal and beginning of the next rinsing stage (S2).

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