

Title (en)

Method for detecting a rinse agent in a rinsing liquid of a household washing machine, in particular a dishwasher and washing machine thereof

Title (de)

Verfahren zur Detektion eines Klarspülmittels in einer Klarspülflüssigkeit einer Waschmaschine, insbesondere eines Geschirrspülers

Title (fr)

Procédé pour la détection d'un agent de rinçage dans le liquide de rinçage d'une machine à laver, en particulier d'une machine lave-vaisselle

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Application

EP 11194830 A 20111221

Priority

IT TO20101045 A 20101223

Abstract (en)

The present invention relates to a method for detecting a rinse aid agent in a rinse liquid of a washing machine (1) for household use, in particular a dishwasher, said washing machine (1) comprising: - a control system (SC), in particular of the electric or electronic type, for handling and controlling the operation of the washing machine (1), said control system (SC) being adapted to implement at least one rinse program; - a tub (2) in which dishes are treated by means of a rinse liquid, in particular water, added with a rinse aid agent during said at least one rinse program; - sensing means (5a, 5b, 5c) associated with said tub (2) and connected to said control system (SC) for detecting the degree of turbidity of the rinse liquid in the tub (2). The invention is characterized in that said method is executed by said control system (SC) and comprises the steps of: a) taking a first measurement (M1) of the degree of turbidity of the rinse liquid in the tub (2); b) executing a step of releasing (R) the rinse aid agent into the tub (2); c) taking a second measurement (M2) of the degree of turbidity of the rinse liquid in the tub (2); d) comparing said first measurement (M1) with said second measurement (M2); e) verifying the existence of a predefined increase of the degree of turbidity of the rinse liquid in the tub (2) for the purpose of detecting the presence of the rinse aid agent in said tub (2).

IPC 8 full level

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Citation (applicant)

- US 5797409 A 19980825 - COOPER RANDALL L [US], et al
- EP 1335060 A1 20030813 - ZANGENSTEIN ELEKTRO [DE]
- WO 2009008828 A1 20090115 - ASKO CYLINDA AB [SE], et al

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US10595704B2; US11344176B2

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