

Title (en)

METHOD FOR THE IMPROVED CONTROL OF A WATER-BEARING DOMESTIC APPLIANCE AND DOMESTIC APPLIANCE SUITABLE THEREFOR

Title (de)

VERFAHREN ZUR VERBESSERTEN STEUERUNG EINES WASSERFÜHRENDEN HAUSHALTSGERÄTES UND HIERZU GEEIGNETES HAUSHALTSGERÄT

Title (fr)

PROCÉDÉ DE COMMANDE AMÉLIORÉE D'UN APPAREIL MÉNAGER CONDUCTEUR D'EAU ET APPAREIL MÉNAGER ASSOCIÉ

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Application

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Abstract (en)

[origin: WO2017220336A1] The invention relates to a method for operating a water-bearing domestic appliance (1), which comprises a drum (3) for holding articles to be treated, which drum has at least one perimeter having at least one radiation passage (30, 35), a control device (18), and a spectrometer (21), which comprises at least one radiation source (5, 27) and at least one radiation detector (7, 28) and a microcomputer (6), wherein the microcomputer (6) and the control device (18) are designed to exchange information between each other such that data can be exchanged between the spectrometer (21) and the control device (18), wherein the method comprises the following steps: (b) emitting radiation (31) from the at least one radiation source (5, 27) of the spectrometer (21) in a wavelength range of  $\lambda_1$  to  $\lambda_2$  through the at least one radiation passage (30, 35) such that the radiation (31) is applied to articles (22, 34) in the drum (3) and the at least one radiation detector (7, 28) registers the radiation (32) reflected by the articles (22, 34) through the at least one radiation passage (30, 35) in at least one time interval  $\Delta\tau$  as a measurement signal; (c) transmitting the measurement signal to the microcomputer (6), evaluating the measurement signal by means of an evaluation routine stored in the microcomputer (6), and transmitting the evaluated measurement signal to the control device (18); and (d) selecting and/or adjusting an operating program by means of the control device (18) with regard to the evaluated measurement signal; wherein steps (b) to (d) are performed one or more times. The invention further relates to a domestic appliance suitable for performing said method.

IPC 8 full level

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