

Title (en)

OPERATING DEVICE AND METHOD FOR PROVIDING AT LEAST ONE CONTROL SIGNAL FOR A DOMESTIC APPLIANCE

Title (de)

BEDIENVORRICHTUNG UND VERFAHREN ZUM BEREITSTELLEN VON WENIGSTENS EINEM STEUERSIGNAL FÜR EIN HAUSHALTSGERÄT

Title (fr)

DISPOSITIF DE COMMANDE ET PROCÉDÉ DE FOURNITURE D'AU MOINS UN SIGNAL DE COMMANDE POUR UN APPAREIL MÉNAGER

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Application

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Abstract (en)

[origin: WO2023011838A1] The invention relates to a method for providing a control signal (26, 27, 28, 38, 39) for a domestic appliance (1), wherein an operating device (2) has a rotary knob (3), a surface (8) of a component (9) which is designed to hold the rotary knob (3), magnetic field sensors (13), and a control unit (12) which is coupled to the magnetic field sensors by signals, wherein, in an annular region (15) surrounding an axis of rotation (14) of the rotary knob, the rotary knob provides a permanent magnetic field, which has different magnetic flux densities in the circumferential direction, with at least one magnetic field component parallel to the axis of rotation, wherein the permanent magnetic field extends towards the surface, wherein the magnetic field sensors detect the permanent magnetic field and provide sensor signals (25) on this basis. According to the invention, a first type of manual actuation of the rotary knob and at least a second type of manual actuation of the rotary knob (3) are identified by evaluating the sensor signals, wherein the at least one control signal is determined at least on the basis of one of the specific types of manual actuation.

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