

Title (en)

Adjusting device for a control element assembly of a water valve of a washing household appliance and method for adjusting the water valve by using a synchronous motor

Title (de)

Verstellvorrichtung für ein Steuerelement einer Wasserweiche eines wasserführenden Haushaltsgeräts und Verfahren zum Verstellen einer Verstellvorrichtung mittels einem Synchronmotor

Title (fr)

Dispositif de réglage de l'aiguillage du circuit d'eau d'un appareil ménager à laver et procédé de réglage de l'aiguillage du circuit d'eau à l'aide d'un moteur synchrone

Publication

EP 1935314 A3 20100217 (DE)

Application

EP 07024136 A 20071212

Priority

DE 102006061973 A 20061221

Abstract (en)

[origin: EP1935314A2] The device (10) has an electric motor (14) controllable by control electronics (12), a water switch with a control element (16) for influencing the rinsing aid circuit (18), an arrangement (20,22) for transferring the rotation of the electric motor to the control element and an arrangement (24,26,28) for determining the control element position. The electric motor is a single phase synchronous motor with two connections that turns in both directions : An independent claim is also included for a method of adjusting an inventive adjuster.

IPC 8 full level

A47L 15/42 (2006.01); **D06F 33/47** (2020.01)

CPC (source: EP US)

A47L 15/0044 (2013.01 - EP US); **A47L 15/006** (2013.01 - EP US); **A47L 15/4221** (2013.01 - EP US); **D06F 33/47** (2020.02 - EP US); **D06F 39/083** (2013.01 - EP US); **A47L 2401/08** (2013.01 - EP US); **A47L 2401/14** (2013.01 - EP US); **A47L 2401/34** (2013.01 - EP US); **A47L 2501/03** (2013.01 - EP US); **A47L 2501/26** (2013.01 - EP US)

Citation (search report)

- [X] FR 2830600 A1 20030411 - ELBI INT SPA [IT]
- [X] JP 2005124979 A 20050519 - HITACHI HOME & LIFE SOLUTIONS
- [A] DE 19736347 A1 19990225 - KUNZ WUNNIBALD [DE]
- [X] FR 1473796 A 19670317

Cited by

WO2012059349A1; EP2185054B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 07024136 A 20071212; US 96241307 A 20071221