

Title (en)

Water-guiding household device with a pump with a valve function

Title (de)

Wasserführendes Haushaltsgerät mit einer Pumpe mit Ventilfunktion

Title (fr)

Appareil ménager à conduite d'eau doté d'une pompe ayant une fonction de ventilation

Publication

**EP 2055958 A3 20130227 (DE)**

Application

**EP 08105509 A 20081008**

Priority

DE 102007052082 A 20071031

Abstract (en)

[origin: EP2055958A2] The device has a pump (2) connected with a pipeline system of the device, where the pump stands in connection with a motor (18) e.g. brushless direct current motor. A valve (4) has an axially movable valve body (20) that is attached at an impeller of the pump, and the motor is operable in two directions. The valve opens or closes in dependent of the directions of rotation of the motor, where the motor stands in effective connection with the valve. The valve body is coaxially movable along a shaft (6) connecting the motor and the pump.

IPC 8 full level

**F04D 15/00** (2006.01); **A47L 15/06** (2006.01); **F04D 29/22** (2006.01)

CPC (source: EP US)

**A47L 15/4223** (2013.01 - EP); **A47L 15/4225** (2013.01 - EP); **D06F 39/083** (2013.01 - EP US); **D06F 39/085** (2013.01 - EP US); **F04D 15/0005** (2013.01 - EP); **F04D 29/042** (2013.01 - EP US); **F04D 29/2283** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 08105509 A 20081008**; CN 200810173815 A 20081029; DE 102007052082 A 20071031; ES 08105509 T 20081008; PL 08105509 T 20081008