

Title (en)
Household device, in particular dishwasher without a handle

Title (de)
Haushaltgerät, insbesondere grifflose Geschirrspülmaschine

Title (fr)
Appareil ménager, notamment lave-vaisselle sans poignée

Publication
EP 2428153 B1 20140702 (DE)

Application
EP 11401567 A 20110810

Priority
DE 102010037397 A 20100908

Abstract (en)
[origin: EP2428153A1] The device e.g. dishwasher (10), has an opening drive provided for moving a door (1) from a closed position into a partial opened position. A door opening sensor (9) is provided for recognizing an acoustic expressed door opening desire of a user. The door opening sensor is coupled with the door, and provided as a three-axis-acceleration sensor or three-axis-vibration sensor. The door opening sensor is mechanically decoupled from a decoration board (4), which is connected with the door via fixation units (12) e.g. hooks, where the decoration board is made of metal. An independent claim is also included for a method for operating a door opening mechanism for a dishwasher and cooling refrigerator.

IPC 8 full level
A47L 15/42 (2006.01); **F25D 23/02** (2006.01); **E05F 15/20** (2006.01)

CPC (source: EP US)
A47L 15/4259 (2013.01 - EP US); **E05F 15/77** (2015.01 - EP US); **E05F 15/79** (2015.01 - US); **F25D 23/028** (2013.01 - EP US); **A47L 15/4265** (2013.01 - EP US); **A47L 2401/32** (2013.01 - EP US); **A47L 2501/22** (2013.01 - EP US); **E05F 15/00** (2013.01 - EP US); **E05F 15/70** (2015.01 - EP US); **E05F 15/73** (2013.01 - EP US); **E05Y 2400/3015** (2024.05 - EP US); **E05Y 2400/852** (2013.01 - EP US); **E05Y 2400/86** (2013.01 - EP US); **E05Y 2800/73** (2013.01 - EP US); **E05Y 2900/304** (2013.01 - EP US)

Cited by
DE102017221258A1; DE102016205367A1; EP2784398A3; CN108937808A; CN109184444A; AU2020409316B2; ITRN20110080A1; EP2599424A1; EP2918214A3; EP2742844A1; US11191132B2; EP3421889A1; WO2016105312A1; WO2014095763A1; WO2019105832A1; EP3245462A4; EP3892945A1; WO2017167874A1; US10617277B2; EP3753468A1; US11253132B2; US10295249B2; US10612839B2; US10612838B2; US10907894B2; US11781806B2; US11892232B2; US11906241B2; US12025368B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2428153 A1 20120314; EP 2428153 B1 20140702; DE 102010037397 A1 20120308; ES 2493091 T3 20140911; PL 2428153 T3 20141031; US 2012055091 A1 20120308; US 2014109488 A1 20140424; US 8758524 B2 20140624; US 9267319 B2 20160223

DOCDB simple family (application)
EP 11401567 A 20110810; DE 102010037397 A 20100908; ES 11401567 T 20110810; PL 11401567 T 20110810; US 201113226512 A 20110907; US 201314142986 A 20131230