

Title (en)

Device for opening and/or closing a door

Title (de)

Vorrichtung zum Öffnen und/oder Schließen einer Tür

Title (fr)

Dispositif destiné à l'ouverture et/ou la fermeture d'une porte

Publication

EP 2584271 A1 20130424 (DE)

Application

EP 12007148 A 20121016

Priority

DE 102011116600 A 20111021

Abstract (en)

The device has a drive apparatus (14) for an automatic opening and/or closing of a door (12). An actuating device i.e. control device (18), controls the drive apparatus operable by a user for opening or closing the door. The actuating device has sensors (20a, 20b) e.g. touch-sensitive sensors, for detecting the user where the sensors are arranged on the door, a door frame or a housing of the domestic appliance. The actuating device includes a timer (22) for detecting a period of an operation of the actuating device by the user.

Abstract (de)

Eine Vorrichtung zum Öffnen und/oder Schließen einer Tür (12) eines Haushaltsgerätes, wie zum Beispiel eines Backofens, eines Kühlschranks und dergleichen, weist eine Antriebsvorrichtung (14) zum selbsttätigen Öffnen und/oder Schließen der Tür (12) und eine von einem Nutzer bedienbare Betätigungseinrichtung (18-22) zum Aktivieren der Antriebsvorrichtung (14), um die Tür (12) zu öffnen oder zu schließen.

IPC 8 full level

F24C 15/02 (2006.01); **A47L 15/42** (2006.01); **E05F 15/10** (2006.01); **F25D 23/02** (2006.01)

CPC (source: EP US)

A47L 15/4259 (2013.01 - EP); **D06F 39/14** (2013.01 - EP US); **E05F 15/611** (2015.01 - EP US); **E05F 15/73** (2015.01 - EP US); **E05F 15/79** (2015.01 - EP US); **F24C 15/02** (2013.01 - EP US); **E05Y 2900/304** (2013.01 - EP US); **F25D 23/028** (2013.01 - EP US); **F25D 2600/02** (2013.01 - EP US); **F25D 2700/02** (2013.01 - EP US); **F25D 2700/04** (2013.01 - EP US)

Citation (search report)

- [X] US 2011023511 A1 20110203 - LEE NAM GYO [KR], et al
- [XY] JP 2000111238 A 20000418 - NEC GUMMA LTD
- [Y] JP 2000249349 A 20000912 - SANYO ELECTRIC CO
- [A] WO 0123816 A1 20010405 - REFRIGERATOR MANUFACTURERS INC [US]

Citation (third parties)

Third party :

EP 1790252 A2 20070530 - KUESTER AUTOMOTIVE DOOR SYS [DE], et al

Cited by

EP4276361A1; CN109057616A; DE102018131788A1; CN109267894A; DE102018216202A1; CN112065210A; BE1030518B1; EP3228234A1; EP3508645A4; US11191132B2; EP3967934A1; WO2022053226A1; EP3421889A1; CN109236103A; WO2019197596A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2584271 A1 20130424; CN 103061639 A 20130424; CN 103061639 B 20170301; DE 102011116600 A1 20130425; DE 102011116600 B4 20171123; US 2013099715 A1 20130425; US 8981698 B2 20150317

DOCDB simple family (application)

EP 12007148 A 20121016; CN 201210400811 A 20121019; DE 102011116600 A 20111021; US 201213656872 A 20121022