

Title (en)

ARRANGEMENT OF A DRIVE DEVICE ON A DOOR FOR AN APPLIANCE, PARTICULARLY FOR A COOLING AND/OR REFRIGERATING APPLIANCE

Title (de)

ANORDNUNG EINER ANTRIEBSEINRICHTUNG AN EINER TÜR FÜR EIN GERÄT, INSBESONDERE FÜR EIN KÜHL- UND/ODER GEFRIERGERÄT

Title (fr)

AGENCEMENT D'UN DISPOSITIF D'ENTRAÎNEMENT SUR UNE PORTE D'UN APPAREIL, EN PARTICULIER D'UN APPAREIL DE REFROIDISSEMENT ET/OU DE CONGÉLATION

Publication

**EP 3698000 A1 20200826 (DE)**

Application

**EP 17837998 A 20171017**

Priority

IT 2017000228 W 20171017

Abstract (en)

[origin: WO2019077636A1] The invention relates to an arrangement (18) of a drive device (24) on a door (16) that can be arranged such that it is pivotable on a housing (12) of an appliance (10), particularly a cooling and/or refrigerating appliance, in which the drive device (24) designed to pivot the door (16) in relation to the housing (12) is mounted on the door, said drive device comprising: a hinge (22) comprising at least one first hinge part (26) attached to the door (16) and at least one second hinge part (28) which is attached to the housing (12) and coupled to the first hinge part (26) in an articulated manner; at least one drive motor (32); at least one transmission element (38) which is coupled to the hinge (22) in an at least indirectly articulated manner and can be at least indirectly driven by means of the drive motor (32) in order to pivot the hinge parts (26, 28) in relation to each other, and can, as such, be moved in a straight line in relation to the door (16) in order to thereby pivot the door (16) in relation to the housing (12); and a coupling device (52) that can switch between at least one coupling state (K) in which the transmission element (38) is coupled to the drive motor (32) and at least one uncoupling state (E) in which the transmission element (38) is uncoupled from the drive motor (32), the coupling device (52) comprising at least one coupling actuator (56) provided in addition to the drive motor (32) and at least one coupling element (58) that can be moved in relation to the door (16), by means of the coupling actuator (56), between at least one coupling position (KK) creating the coupled state (K) and at least one uncoupling position (EK) creating the uncoupled state (E).

IPC 8 full level

**E05F 15/622** (2015.01)

CPC (source: EP US)

**E05F 3/22** (2013.01 - US); **E05F 15/622** (2015.01 - EP US); **F25D 23/028** (2013.01 - US); **E05F 15/616** (2015.01 - EP); **E05Y 2201/216** (2013.01 - EP); **E05Y 2201/604** (2013.01 - US); **E05Y 2900/30** (2013.01 - EP); **E05Y 2900/31** (2013.01 - US); **F25D 2323/024** (2013.01 - US)

Citation (search report)

See references of WO 2019077636A1

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)

**WO 2019077636 A1 20190425**; CN 111479981 A 20200731; CN 111479981 B 20220419; EP 3698000 A1 20200826; US 11466500 B2 20221011; US 2020256110 A1 20200813

DOCDB simple family (application)

**IT 2017000228 W 20171017**; CN 201780097777 A 20171017; EP 17837998 A 20171017; US 201716755413 A 20171017