

Title (en)
Appliance with locking device

Title (de)
Gerät mit einem Verriegelungsmechanismus

Title (fr)
Appareil avec dispositif de verrouillage

Publication
EP 2690366 A1 20140129 (EN)

Application
EP 12177992 A 20120726

Priority
EP 12177992 A 20120726

Abstract (en)
The invention relates to an appliance (1), especially to a domestic appliance, comprising a housing element (2), wherein a door (3) is arranged at the housing element (2), which door (3) can be positioned in a closed position (C) and in an opened position (O), wherein a child lock device (4) is arranged which can prevent the opening of the door (3) when the door (3) is in its closed position (C). To obtain a compact design and a secure locking of the appliance which makes it impossible for a child to open the door of the appliance, the invention is characterized in that the child lock device (4) comprises a hook element (5) which is arranged in or at the door (3), a catch element (6) designed to cooperate with the hook element (5), wherein the catch element (6) is arranged in the housing element (2), wherein the catch element (6) can move in a translational direction (T), for being in engagement with the hook element (5) to prevent the opening of the door (3) or for being in disengagement with the hook element (5) to allow an opening of the door (3), an activator element (7) for actuating the catch element (6), wherein the activator element (7) is arranged to be moved in a translational direction (U) to move the catch element (6) in its position in which it is disengaged with the hook element (5), and transmission means (8) to transmit the translational movement of the activator element (7) in its translational direction (U) into a translational movement of the catch element (6) in its translational direction (T).

IPC 8 full level
F24C 15/02 (2006.01); **A47L 15/42** (2006.01)

CPC (source: EP)
E05B 65/0014 (2013.01); **E05C 1/14** (2013.01); **F24C 15/022** (2013.01); **A47L 15/4259** (2013.01); **E05B 63/0052** (2013.01)

Citation (applicant)

- US 3328062 A 19670627 - GEIGER PAUL B, et al
- US 3498285 A 19700303 - MCARTHUR GEORGE JR, et al
- US 2002079709 A1 20020627 - MARKS LARRY D [US], et al

Citation (search report)

- [Y] DE 2444546 A1 19750507 - ELECTROLUX AB [SE]
- [Y] US 7451628 B1 20081118 - KIM HYUN [KR]
- [A] US 2431105 A 19471118 - BRINSON GAYLORD A
- [A] US 3997201 A 19761214 - DESCHAAF CLIFFORD L, et al
- [A] GB 2207180 A 19890125 - GOLD STAR CO
- [A] EP 1722166 A1 20061115 - MATSUSHITA ELECTRIC IND CO LTD [JP]

Cited by
CN113463984A; CN112437855A; DE202014010390U1; DE102014210568A1; WO2016101977A1; WO2023129051A1

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 2690366 A1 20140129

DOCDB simple family (application)
EP 12177992 A 20120726