

Title (en)
Electrical appliance with an improved door mechanism

Title (de)
Elektrisches Gerät mit verbessertem Türmechanismus

Title (fr)
Appareil électrique avec mécanisme de porte amélioré

Publication
EP 1961856 A1 20080827 (EN)

Application
EP 07103015 A 20070223

Priority
EP 07103015 A 20070223

Abstract (en)
An electrical appliance (1) having: a casing (2); a work environment (3) supported inside the casing (2) and having a loading/unloading opening (4); a door (5) supported by the casing (2) to close the loading/unloading opening (4) of the work environment (3); and connecting means (6) for connecting the door (5) to the casing (2) so that the door (5) can be moved between a closed position and an open position, and having at least one first guide (7) formed on the casing (2), at least one first trolley (8) sliding along the first guide (7) and connected to the door (5), at least one second guide (9) formed on the door (5) and the same shape as the first guide (7), and at least one second trolley (10) sliding along the second guide (9) and connected to the casing (2); each guide (7, 9) has a curved first portion (11), along which the respective trolley (8, 10) slides when the door (5) nears the closed position, and a second portion (12), which is longer than the first portion (11) and is tangent to the first portion (11) at a point of connection (13) to the first portion (11).

IPC 8 full level
D06F 37/28 (2006.01); **D06F 39/14** (2006.01)

CPC (source: EP US)
D06F 39/14 (2013.01 - EP US)

Citation (applicant)
• EP 1333118 A1 20030806 - CANDY SPA [IT]
• DE 29905081 U1 19990812 - SU YUNG SEN [TW]

Citation (search report)
• [X] DE 29905081 U1 19990812 - SU YUNG SEN [TW]
• [A] US 2960778 A 19601122 - COWLIN DONALD G
• [AD] EP 1333118 A1 20030806 - CANDY SPA [IT]
• [A] EP 1595992 A1 20051116 - CANDY SPA [IT]

Cited by
EP2107152A1; EP2481845A1; EP3604659A4; US11585033B2; WO2011101047A1; US11946184B2; US11377772B2; US11434594B2; US11761134B2; WO2024047344A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1961856 A1 20080827; **EP 1961856 B1 20100609**; AT E470745 T1 20100615; DE 602007007046 D1 20100722; ES 2346088 T3 20101008; PL 1961856 T3 20101029; RU 2008106853 A 20090827; RU 2447212 C2 20120410

DOCDB simple family (application)
EP 07103015 A 20070223; AT 07103015 T 20070223; DE 602007007046 T 20070223; ES 07103015 T 20070223; PL 07103015 T 20070223; RU 2008106853 A 20080222