

Title (en)

Device for hinging a door, in particular a dishwasher door, to a fixed structure

Title (de)

Vorrichtung zum Anlenken einer Tür, insbesondere einer Geschirrspülmaschinenentür, an eine feste Struktur

Title (fr)

Dispositif pour articuler une porte, en particulier une porte de lave-vaisselle, à un structure fixe

Publication

EP 0858767 A1 19980819 (EN)

Application

EP 97830067 A 19970217

Priority

EP 97830067 A 19970217

Abstract (en)

A device for hinging to a fixed structure (2) a door (3) of an appliance, in particular a dishwasher, in which the door (3) is mounted so it can swivel around a fixed horizontal axis (5), and is subjected to the action of an elastic element (6) returning the door (3) to the closed position, comprising: a leverage (7) operating between the door (3) and the elastic element (6), and provided with a kinematic chain (7a) having rods (10, 9, 8) reciprocally articulated and arranged in succession; the first (10) and the last rod (8) of the kinematic chain (7a) being connected respectively to the door (3) and to the elastic element (6) and being able to rotate around fixed axes (5, 11) of the structure (2); the first rod (10) of the kinematic chain (7a) being provided with articulated joints (10a, 10b) placed at a reciprocal distance smaller than the distance between corresponding joints (8a, 8b) at the end of the last rod (8); said last rod (8) hinging with the elastic element (6) on a pivot (13a) located at a distance from the main axis (11) of the last rod (8) not exceeding the distance between the joints (10a, 10b) of the first rod (10). <IMAGE>

IPC 1-7

A47L 15/42

IPC 8 full level

A47L 15/42 (2006.01)

CPC (source: EP)

A47L 15/4261 (2013.01); **E05F 1/1261** (2013.01); **E05Y 2900/304** (2013.01)

Citation (search report)

- [A] EP 0551234 A1 19930714 - ESSWEIN SA [FR]
- [A] EP 0692598 A1 19960117 - CMI SRL [IT]

Cited by

CN108487806A; EP1880654A4; EP1502536A1; CN103201446A; EP2912984A1; WO03039322A1

Designated contracting state (EPC)

DE ES FR IT

DOCDB simple family (publication)

EP 0858767 A1 19980819; **EP 0858767 B1 20011128**; DE 69708589 D1 20020110; DE 69708589 T2 20020725; ES 2169344 T3 20020701

DOCDB simple family (application)

EP 97830067 A 19970217; DE 69708589 T 19970217; ES 97830067 T 19970217