

Title (en)

Two stage hinge device for the door of electric household appliances, particularly for washing machine

Title (de)

Türscharnier für ein elektrisches Haushaltsgerät, insbesondere für eine Waschmaschine

Title (fr)

Charnière pour le porte d'un appareil électrique domestique, en particulier d'une machine à laver

Publication

EP 1098027 A2 20010509 (EN)

Application

EP 00124080 A 20001106

Priority

IT BO990600 A 19991108

Abstract (en)

A hinge device (1), particularly for the door (3) of an electric household appliance (2), of the type washing machine, oven and the like, includes a connection element (10) connected to the frame (6) of the appliance (2), a support element (30) to which is connected the door (3) and a shaped element (20), whose first end (21) is hinged to the connection element (10), and whose second end (23) is hinged to the support element (30). The device further includes stop means, first (14) and second (34) fit to limit the amplitude of the rotations, respectively first (R1), between the shaped element (20) and the connection element (10), and second (R2), between the support element (30) and the shaped element (20), and friction means (32), positioned between the shaped element (20) and the support element (30). The friction means (32) are fit to differentiate the values of the counter actions exerting against the rotations, first (R1) and second (R2), determining a two-stage opening-closing for the door (3), so that this latter changes from a closing condition (C), in which the door (3) closes the load opening (5) of the appliance (2), to an extreme opening condition (A), in which the same door (3) is at the maximum distance from the opening (5), through an intermediate opening condition (B) in correspondence of which there is the passage between the conditions of rotations, first (R1) and second (R2). <IMAGE> <IMAGE> <IMAGE>

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CPC (source: EP US)

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Cited by

KR100511954B1; KR20040046915A; CN106103831A; EP2130996A3; AU2003202154B2; AU2003202154B8; CN1314851C; CN114382366A; US7581414B2; US10450691B2; US7617570B2; WO03057971A1; WO2017191517A1; WO2015147481A1; TWI660108B; JP2011245330A; JP2009112867A

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