

Title (en)  
top loading laundry washing machine.

Title (de)  
Von oben beladbare Waschmaschine

Title (fr)  
Lave-linge à chargement par le dessus

Publication  
**EP 1582618 A1 20051005 (EN)**

Application  
**EP 05102443 A 20050325**

Priority  
IT MI20040139 U 20040402

Abstract (en)

A laundry washing-machine is described comprising a cabinet (1) inside which a drum (3) turnable around an axis (A) is housed. The drum (3) is provided with an opening (30) for the top loading of the laundry and with a door (4) to close the opening (30). The door (4) comprises at least one wing (5) connected with the drum (3) by means of a hinge (10) which extends along the edge of the opening (30) of the drum (3) in a way parallel to the axis of rotation (A) of the drum (3). The wing (5) is suitable to bear the action of spring means (7) for its arrangement in opening position by rotation around the hinge (10); the spring means (7) have a first end (8) fastened to the drum (3) and a second end (9) fastened to the wing (5) and the hinge (10) comprises first elements (11) of the wing (5) and second elements (12) of the drum (3) interacting with each other. The laundry washing-machine comprises means (2) that are suitable to lock the wing (5) in opening position and shock absorbtion means (20) to brake the rotation of the wing (5) around the hinge (10) during the opening of the door (4). The shock absorbtion means (20) comprise at least one bush (21) fastened to the first end (8) of the spring means (7) and arranged inside the hinge (10) in such a way as to be adjacent to it in order to brake the rotation of the wing (5) around the hinge (10) by friction between its external cylindrical surface (22) and the internal surface (23) of the first elements (11) of the hinge (10).

IPC 1-7  
**D06F 37/10**

IPC 8 full level  
**D06F 37/10** (2006.01)

CPC (source: EP US)  
**D06F 37/10** (2013.01 - EP US)

Citation (applicant)  
• FR 2811009 A1 20020104 - CIAPEM [FR]  
• EP 1467014 A1 20041013 - CANDY SPA [IT]

Citation (search report)  
• [X] FR 2811009 A1 20020104 - CIAPEM [FR]  
• [XP] EP 1467014 A1 20041013 - CANDY SPA [IT]  
• [A] FR 2723382 A1 19960209 - ESSWEIN SA [FR]  
• [A] DE 20007903 U1 20000720 - ELECTROLUX ZANUSSI ELETTRODOME [IT]

Cited by  
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