

Title (en)

Drum washing machine having vertically openable and linearly movable door

Title (de)

Trommelwaschmaschine mit in vertikale Richtung öffnungsfähiger und linearbeweglicher Tür

Title (fr)

Machine à laver à tambour avec un porte s'ouvrant verticalement et linéairement mobile

Publication

EP 1652991 A3 20090128 (EN)

Application

EP 05022709 A 20051018

Priority

KR 20040085420 A 20041025

Abstract (en)

[origin: EP1652991A2] A drum washing machine having a vertically openable and linearly movable door (30) includes a cabinet (10) having an opening formed at a front wall of the cabinet to allow laundry to be put in and removed from the opening, a door provided at the front wall of the cabinet to open or close the opening, a door opening/closing mechanism (40) connected between the cabinet and the door to allow the door to be opened while the door is moved downwardly, and to be closed while the door is moved upwardly, such that an outer surface of the door faces upwardly when the door is opened, and a linear movement mechanism to allow the door to be linearly moved such that the door can be moved into the cabinet in an opened state. The door can be utilized as a laundry holder when the door is opened, and the door can be easily opened or closed while the laundry can be conveniently put into or removed from the washing machine by pushing the door into the cabinet, even where the washing machine is located in a narrow space.

IPC 8 full level

D06F 39/14 (2006.01)

CPC (source: EP KR US)

D06F 37/10 (2013.01 - KR); **D06F 37/28** (2013.01 - KR); **D06F 37/30** (2013.01 - KR); **D06F 39/14** (2013.01 - EP KR US)

Citation (search report)

- [A] EP 1365056 A1 20031126 - CANDY SPA [IT]
- [A] EP 1333118 A1 20030806 - CANDY SPA [IT]
- [A] US 3116903 A 19640107 - GRANTHAM FREDERICK W
- [A] US 2639601 A 19530526 - HERMAN MILLER

Cited by

EP3128066A1; GB2464107A

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 YU

DOCDB simple family (publication)

EP 1652991 A2 20060503; **EP 1652991 A3 20090128**; CN 1766204 A 20060503; CN 1766204 B 20100929; JP 2006116324 A 20060511; KR 100680203 B1 20070208; KR 20060036537 A 20060502; US 2006090521 A1 20060504

DOCDB simple family (application)

EP 05022709 A 20051018; CN 200510116130 A 20051025; JP 2005309641 A 20051025; KR 20040085420 A 20041025; US 24722305 A 20051012