

Title (en)
Improvement in the front flange of a household-type clothes washing machine

Title (de)
Verbesserung des vorderen Randes einer Haushaltswaschmaschine

Title (fr)
Amélioration de la bordure antérieure d'une machine à laver le linge à usage domestique

Publication
EP 1690969 A1 20060816 (EN)

Application
EP 05100969 A 20050210

Priority
EP 05100969 A 20050210

Abstract (en)
Front-loading clothes washing machine comprising: a perforated rotating drum (5) holding the clothes to be washed, an access opening (6) into said drum, a stationary tub (3) containing said drum (5), an access opening (4) into said tub (3) provided so as to lie in alignment with said access opening (6) of said drum, an outer casing (1) containing said tub therewithin, a front aperture (2) in said outer casing adapted to ensure access to the access opening (4) of the tub, a loading door (8) provided to close said front aperture (2) in the outer casing, an annular bellows-like gasket (7) adapted to provide an elastic, water-tight junction between the access opening (4) of the tub and the front aperture (2) in the outer casing, in which the portion of said drum that defines the respective access opening (6) has an elongated cylindrical configuration (12) on its front side, which extends coaxially with the access opening (4) of the tub, the latter being preferably provided with a corresponding elongated cylindrical configuration (14) adapted to enclose said elongated cylindrical configuration (12) of the drum opening from the outside.

IPC 8 full level
D06F 37/26 (2006.01)

CPC (source: EP US)
D06F 37/266 (2013.01 - EP US)

Citation (search report)
• [X] GB 2296018 A 19960619 - ELECTROLUX ZANUSSI ELETTRODOME [IT]
• [X] US 2004107743 A1 20040610 - KIM GON [KR], et al
• [X] EP 1389642 A1 20040218 - WHIRLPOOL CO [US]
• [X] DE 19856973 A1 19990624 - LG ELECTRONICS INC [KR]
• [X] US 2004148978 A1 20040805 - KIM KWANG SOO [KR], et al

Cited by
EP2924162A1; EP2435612A4; EP3106559A4; EP2145993A1; US9828715B2; US9103063B2; WO2012065801A1; US9051679B2; EP2453053A1; CN103348054A; AU2011331400B2; EP3690114A1; AU2020200690B2; US9637855B2; US11306428B2

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1690969 A1 20060816; JP 2006218306 A 20060824; MX PA06001545 A 20060918; US 2006174663 A1 20060810

DOCDB simple family (application)
EP 05100969 A 20050210; JP 2006032888 A 20060209; MX PA06001545 A 20060208; US 33077506 A 20060112