

Title (en)
LAUNDRY WASHING/DRYING MACHINE FRONT DOOR WITH A MECHANICALLY IMPROVED LOCKING MECHANISM

Title (de)
WASCHMASCHINEN-/TROCKNERFRONTTÜR MIT MECHANISCH VERBESSERTEM VERRIEGELUNGSMECHANISMUS

Title (fr)
PORTE AVANT DE MACHINE À LAVER/À SÉCHER LE LINGE AYANT UN MÉCANISME DE VERROUILLAGE MÉCANIQUEMENT AMÉLIORÉ

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Application
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Abstract (en)
[origin: WO2016070889A1] The present invention relates to a laundry washing and/or drying machine comprising a front door (1) having an improved front door opening and locking mechanism. The present invention more particularly relates to a laundry washing/drying machine comprising a rotary drum in which the laundry is placed, an electric motor rotating the rotary drum and a front door (1) allowing access into the rotary drum for loading or unloading laundry through an access opening (2), the front door (1) being openable around a door hinge (5) in the manner that a lock mechanism (6) releasably secures an engagement end (12) such that a handle (7) is rotatable in mechanical communication with a hook lever (9) that is drivable by the handle (7), whereby the engagement end (12) is activated to lock or unlock the front door (1). An outer frame (3) and an inner frame (4) of the front door (1) joined to one another define the perimeter of the front door (1), the outer frame (3) comprising an outer frame opening (13) into which a hook pivoting device (14) in association with the handle (7) projects, the device at least partially enclosing the hook lever (9). The hook pivoting device (14) of the handle (7) extending through the outer frame opening (13) advantageously provides that the hook lever (9) is directly driven in a practical manner by the hook pivoting device (14) without any additional element. The hook pivoting device (14) provides an enclosure for a hook lever biasing means (11) and positions end-portions of the hook lever biasing means (11) to be aligned with reciprocating members of the inner frame (4). Therefore, when the outer and inner frames (3, 4) are joined, use of any additional parts to pre-load the hook lever biasing means (11) is unnecessary.

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See references of WO 2016070889A1

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