

Title (en)
FRONT-LOADING WASHING MACHINE

Title (de)
FRONTLADERWASCHMASCHINE

Title (fr)
MACHINE À LAVER À CHARGEMENT FRONTAL

Publication
EP 3992346 A4 20220817 (EN)

Application
EP 20832111 A 20200619

Priority
• CN 201910552596 A 20190625
• CN 201910552434 A 20190625
• CN 2020097065 W 20200619

Abstract (en)
[origin: EP3992346A1] A drum washing machine includes: an inner drum (17) with an inner drum opening; an inner drum door (6) mounted at the inner drum opening in an opened/closed manner; a position detection device, configured to detect whether the inner drum door (6) is locked; and a door closing hindering device (55), configured to apply force for hindering closing of the inner drum door (6). By means of the arranged door closing hindering device (55), force for hindering closing of the inner drum door (6) is generated when the inner drum door (6) is closed. When the inner drum door (6) is not locked, the inner drum door (6) is opened by a certain angle. The phenomenon that the position detection device misjudges that the inner drum door (6) is locked well due to the fact that the inner drum door (6) is not locked but still closed at a drum opening or the opening angle is very small is avoided.

IPC 8 full level
D06F 37/10 (2006.01); **D06F 103/16** (2020.01); **D06F 103/18** (2020.01)

CPC (source: EP)
D06F 23/025 (2013.01); **D06F 34/20** (2020.02); **D06F 37/10** (2013.01); **D06F 34/14** (2020.02); **D06F 2103/16** (2020.02); **D06F 2103/18** (2020.02)

Citation (search report)
• [XYI] US 2004144138 A1 20040729 - TAKEUCHI MAKOTO [JP], et al
• [Y] CN 107268237 A 20171020 - QINGDAO HAIER DRUM WASHING MACHINE CO LTD
• [Y] US 2006288742 A1 20061228 - HAPKE KENYON A [US], et al
• [A] US 7073356 B2 20060711 - NAKAMURA SATOSHI [JP], et al
• See references of WO 2020259405A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3992346 A1 20220504; EP 3992346 A4 20220817; WO 2020259405 A1 20201230

DOCDB simple family (application)
EP 20832111 A 20200619; CN 2020097065 W 20200619