

Title (en)

FRONT-LOADING WASHING MACHINE WITH A ROTATING WASHING DRUM

Title (de)

VON VORN BESCHICKBARE WASCHMASCHINE MIT EINER DREHBAREN WÄSCHETROMMEL

Title (fr)

LAVE-LINGE A CHARGEMENT FRONTAL, POURVU D'UN TAMBOUR ROTATIF

Publication

EP 1709231 A2 20061011 (DE)

Application

EP 05707793 A 20050118

Priority

- EP 2005050183 W 20050118
- DE 102004003346 A 20040122

Abstract (en)

[origin: WO2005071154A2] The drum shell (20) has flow perforations (22) in the rear zone thereof, for exchange of the washing liquor (13) between the interior of the washing drum and the interior of a liquor tank (4), enclosing the above and, in the operating position for the washing machine, the lower shell line increasingly differs from a horizontal, on rising towards the front. Hollow, long lifting bodies (12), which are embodied to take liquid amounts from the deepest position thereof and raise the same, on rotation of the washing drum (5), to a raised position within the washing drum and to release the same from said raised position into the interior of the washing drum, inadequately wet the pieces of washing in the front region. The above effect is increased with reduced amounts of laundry items. According to the invention, the amount of water discharged in the interior can more effectively be applied to the laundry items, whereby the drum shell (20) has a total surface of flow perforations (23, 24), in the front region (19) thereof which measures about a quarter to a third of the total depth of the washing drum, reduced by at least 50 % relative to the rear region (21) thereof.

IPC 8 full level

D06F 1/00 (2006.01); **D06F 21/10** (2006.01); **D06F 23/06** (2006.01); **D06F 37/04** (2006.01)

CPC (source: EP KR US)

D06F 21/10 (2013.01 - EP KR US); **D06F 23/06** (2013.01 - EP KR US); **D06F 37/04** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2005071154A2

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)

WO 2005071154 A2 20050804; WO 2005071154 A3 20060202; CN 1910314 A 20070207; DE 102004003346 A1 20050811; EP 1709231 A2 20061011; KR 100810397 B1 20080304; KR 20060116225 A 20061114; US 2008271498 A1 20081106

DOCDB simple family (application)

EP 2005050183 W 20050118; CN 200580002972 A 20050118; DE 102004003346 A 20040122; EP 05707793 A 20050118; KR 20067016488 A 20060817; US 58669105 A 20050118