

Title (en)
WASHING MACHINE

Title (de)
WASCHMASCHINE

Title (fr)
MACHINE A LAVER

Publication
EP 3031971 A1 20160615 (EN)

Application
EP 15197586 A 20151202

Priority
IT TO20141009 A 20141204

Abstract (en)
A washing machine has a control system, a treatment tub (3) with a discharge opening (12), a washing-agent dispenser device, an arrangement for loading liquid into the tub (3), a discharge duct (14) having an inlet connected to the discharge opening (12) of the tub (3), and a pump (16) along the discharge duct (14). The discharge duct (14) has a substantially S-shaped development, with a lower transition region (14a) and an upper transition region (14b), the transition regions (14a, 14b) being in an intermediate position with respect to the inlet and to an outlet of the discharge duct (14). One of the discharge duct (14) and the tub (3) has a valve arrangement (17) that includes a buoyant body (17a) and that is operative substantially at the discharge outlet (12) of the tub (3). The control system (6) is pre-arranged for controlling activation of the pump (17) in the course of a process of loading of liquid (W) into the tub (3), and the valve arrangement (17) is pre-arranged for preventing outflow of liquid from the discharge opening (12) of the tub (3) when the level of the liquid (W) in the discharge duct (14) is at a height that is greater than the level of the liquid (W) in the tub (3) and that is comprised between the lower transition region (14a) and the upper transition region (14b). In the lower transition region (14a), branching off upwards from the discharge duct (14) is an auxiliary duct (20) that is closed at its upper end (20a).

IPC 8 full level
D06F 39/08 (2006.01); **A47L 15/42** (2006.01)

CPC (source: EP US)
D06F 39/083 (2013.01 - EP US)

Citation (applicant)
• WO 0050684 A1 20000831 - ARCELIK AS [TR], et al
• GB 2090382 A 19820707 - MCALPINE & CO LTD

Citation (search report)
• [A] GB 2090382 A 19820707 - MCALPINE & CO LTD
• [A] WO 0050684 A1 20000831 - ARCELIK AS [TR], et al
• [A] GB 1123789 A 19680814 - COLSTON LTD C

Cited by
KR20190015083A; CN111254645A; CN112423870A; US11274389B2; WO2019027295A1

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)
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