

Title (en)  
MACHINE FOR WASHING LAUNDRY EQUIPPED WITH IMPROVED MEANS FOR PREVENTING BACKFLOW OF WATER

Title (de)  
WÄSCHEWASCHMASCHINE MIT VERBESSERTEN MITTELN ZUM VERHINDERN DES RÜCKFLUSSES VON WASSER

Title (fr)  
MACHINE À LAVER LE LINGE ÉQUIPÉE DE MOYENS AMÉLIORÉS POUR EMPÊCHER LE REFLUX D'EAU

Publication  
**EP 4119718 A1 20230118 (EN)**

Application  
**EP 21185451 A 20210713**

Priority  
EP 21185451 A 20210713

Abstract (en)  
The present disclosure refers to a washing machine (1) configured for washing laundry, the washing machine (1) comprising a tub (2) suitable for collecting water, a water supply unit (3) configured to feed fresh water from a water supply network to the tub (2), a washing agents dispenser (4) configured to feed at least one washing agent, in particular a detergent, to the tub (2), the washing agents dispenser (4) being connected downstream the water supply unit (3) and at least one pump (5) configured to pump out the water from the tub (2) to a drainage system (20) outside the washing machine (1). The water supply unit (3) comprises a water draining device (10) configured to drain a residual water to a collection vessel or hose (6) operatively connected to the tub (2) and to the exterior of the washing machine (1). The water draining device (10) comprises at least an auxiliary conduit (11) comprising an outlet section (11e) feeding the residual water to the collection vessel or hose (6). The auxiliary conduit (11) and the collection vessel or hose (6) are arranged in a predetermined spatial configuration such that a back-siphonage mitigation air break (S) is present between an inlet opening (6a) of the collection vessel or hose (6) and the outlet section (11e) of the auxiliary conduit (11), the back siphonage mitigation air break (S) being configured to mitigate back-siphonage from said drainage system (20) by causing water that may flow back from the drainage system (20) to the collection vessel or hose (6) and/or that may reach an overflow level within said tub (2) to come out at the back-siphonage mitigation air break (S) without climbing back to the auxiliary conduit (11).

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Citation (applicant)  
• DE 102018106951 A1 20190926 - MIELE & CIE [DE]  
• EP 2058927 A2 20090513 - INDESIT CO SPA [IT]  
• GB 2353540 B 20030122 - AWECO APPLIANCE SYS GMBH & CO [DE]  
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Citation (search report)  
• [A] EP 2554737 A1 20130206 - ELECTROLUX HOME PROD CORP [BE]  
• [A] GB 2111537 A 19830706 - ZANUSSI A SPA INDUSTRIE  
• [AD] DE 102018106951 A1 20190926 - MIELE & CIE [DE]

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