

Title (en)  
A WASHING MACHINE COMPRISING A WATER SOFTENING SYSTEM

Title (de)  
WASCHMASCHINE MIT WASSERENTHÄRTUNGSSYSTEM

Title (fr)  
LAVE-LINGE COMPRENANT UN SYSTÈME D'ADOUCCISSEMENT D'EAU

Publication  
**EP 3611298 A1 20200219 (EN)**

Application  
**EP 19191913 A 20190815**

Priority  
TR 201811990 A 20180816

Abstract (en)  
A washing machine comprising a washing compartment (9); a water inlet (1); and a detergent drawer (8); characterized by comprising an ion exchanger chamber (7); regenerative material chamber (6); a group of water inlet valves (2) which comprises a first valve (2a) for delivering water to the detergent drawer (8), a second valve (2b) for delivering water to the regenerative material chamber (6), and a third valve (2c) for delivering water to the ion exchanger chamber (7); a first connection line (15) between the first valve (2a) and the detergent drawer (8); a second connection line (16) between the second valve (2b) and the regenerative material chamber (6); a third connection line (17) between the third valve (2c) and the ion exchanger chamber (7); a seventh connection line (20) between the regenerative material chamber (6) and the ion exchanger chamber (7); a first check valve (12) on the seventh connection line (20); an eighth connection line (21) between the ion exchanger chamber (7) and the detergent drawer (8); an eleventh connection line (27) between the detergent drawer (8) and the washing compartment (9); a first discharge arrangement for discharging the water which is used in the washing compartment (9); and a second discharge arrangement for removing the water that comes from the first discharge line and the solution present in the ion exchanger chamber (7) out of the machine.

IPC 8 full level  
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CPC (source: EP US)  
**D06F 39/007** (2013.01 - EP US); **D06F 39/088** (2013.01 - EP US); **D06F 33/47** (2020.02 - EP US); **D06F 39/028** (2013.01 - EP US); **D06F 39/083** (2013.01 - EP US)

Citation (applicant)  
EP 2843101 A1 20150304 - ELECTROLUX PROFESSIONAL SPA [IT]

Citation (search report)  
• [XY] US 2015204005 A1 20150723 - FAVARO DANIELE [IT], et al  
• [Y] US 2005262881 A1 20051201 - RIZZETTO PIETRO [IT]  
• [Y] US 2016010266 A1 20160114 - DEL POS MAURIZIO [IT], et al  
• [XI] DE 3527047 A1 19870205 - LICENTIA GMBH [DE]  
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Designated contracting state (EPC)  
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Designated extension state (EPC)  
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