

Title (en)

Industrial dishwasher with improved water softening circuit

Title (de)

Gewerbliche Geschirrspülmaschine mit verbessertem Kreislauf zur Wasserenthärtung

Title (fr)

Lave-Vaisselle industriel avec circuit adoucisseur d'eau amélioré

Publication

**EP 1905339 B1 20081217 (EN)**

Application

**EP 06425662 A 20060927**

Priority

EP 06425662 A 20060927

Abstract (en)

[origin: EP1905339A1] An industrial dishwasher includes a softener (2) with decalcifying resins through which the water coming from the network reaches a break tank (3), connected to the wash tank (9) of the dishwasher, and through said break tank (3) reaches a heater (4) that feeds rinse sprinklers (8) that spray it in the wash tank (9) where it is then collected in a sump (13), the break tank (3) being provided with an expansion chamber (Y), interposed between the inlet of the water coming from the softener (2) and the outlet toward the heater (4), provided with an outlet that connects it directly to the sump (13) through a pipe (B) that bypasses the heater (4), the flow through the bypass pipe (B) being controlled by a valve (12). In this way, it is possible to carry out the regeneration of the decalcifying resins of the softener (2) simultaneously with a wash cycle, without having to resort to pause periods or to complicated double water treatment circuits, whereby the regeneration is carried out only when required and without significantly affecting the exploitation of the machine.

IPC 8 full level

**A47L 15/42** (2006.01)

CPC (source: EP)

**A47L 15/4229** (2013.01)

Cited by

EP2623013A1; CN107468192A; EP2366322A3; CN103096778A; EP3666153A1; US9839945B2; US9936852B2; US9193610B2; US9896364B2

Designated contracting state (EPC)

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Designated extension state (EPC)

HR

DOCDB simple family (publication)

**EP 1905339 A1 20080402**; **EP 1905339 B1 20081217**; AT E417540 T1 20090115; DE 602006004346 D1 20090129; ES 2317481 T3 20090416; PL 1905339 T3 20090630

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