

Title (en)

INDUSTRIAL DISHWASHER WITH IMPROVED WATER SOFTENING CIRCUIT AND RELEVANT OPERATING METHOD

Title (de)

INDUSTRIELLE GESCHIRRSPÜLMASCHINE MIT VERBESSERTEM WASSERENTHÄRTUNGSKREISLAUF UND ENTSPRECHENDES BETRIEBSVERFAHREN

Title (fr)

LAVE-VAISSELLE INDUSTRIEL COMPORTANT UN CIRCUIT ADOUCISSEUR D'EAU AMÉLIORÉ ET PROCÉDÉ DE FONCTIONNEMENT ASSOCIÉ

Publication

**EP 3666153 A1 20200617 (EN)**

Application

**EP 18425098 A 20181212**

Priority

EP 18425098 A 20181212

Abstract (en)

An industrial dishwasher includes a mains water load valve (1), a water softener (4) with decalcifying resins, a salt container (15) that receives mains water to form a brine solution that then reaches the softener (4) through a regeneration valve (14), a heater (7) receiving water decalcified by the softener (4), an exchange container (6) arranged between the softener (4) and the heater (7), an evacuation pump (12) connected to the exchange container (6) in such a way as to completely empty it, and a bypass duct (17) connecting the evacuation pump (12) to a drain (11). With this configuration it is possible to regenerate the resins simultaneously with one or more wash cycles, without having to resort to waiting times or complex duplicate water treatment circuits, so that the regeneration is carried out only when necessary and without significantly affecting the exploitation of the machine.

IPC 8 full level

**A47L 15/42** (2006.01)

CPC (source: EP)

**A47L 15/4225** (2013.01); **A47L 15/4229** (2013.01); **A47L 15/0078** (2013.01)

Citation (search report)

- [A] EP 2623013 A1 20130807 - BONFERRARO SPA [IT]
- [A] EP 1905339 A1 20080402 - BONFERRARO SPA [IT]
- [A] WO 2005046420 A1 20050526 - MEIKO MASCHINENBAU GMBH & CO [DE], et al

Cited by

WO2023096122A1

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)

BA ME

DOCDB simple family (publication)

**EP 3666153 A1 20200617**; **EP 3666153 B1 20210908**; PL 3666153 T3 20220124

DOCDB simple family (application)

**EP 18425098 A 20181212**; PL 18425098 T 20181212