

Title (en)
Integrated device for supplying and treating water for a dishwashing machine

Title (de)
Integrierte Vorrichtung zur Zuführung und Aufbereitung von Wasser für eine Geschirrspülmaschine

Title (fr)
Dispositif intégré pour la fourniture et le traitement d'eau pour lave-vaisselle

Publication
EP 1844694 A1 20071017 (EN)

Application
EP 07105756 A 20070405

Priority
IT TO20060269 A 20060411

Abstract (en)
The device comprises: a supply line (10); a first tank (22) for containing substances with water-softening properties, provided with at least one inlet opening (20) for water to be softened and an outlet opening (48) for softened water; a second tank (28) for containing salt, provided with at least one water inlet opening (27) and an outlet opening (29) for a regeneration brine formed following dissolving of the salt in the water, and having a neck (34); an annular wall (36) which surrounds externally at least one bottom portion of the neck (34) forming an interspace (38); and a line (44) for connecting the outlet opening (20) of the first tank (22) to the interspace (38). The annular wall (36) is intended to be mounted inside an opening (50) formed through the bottom (52) of the washing chamber, where the softened water supplied from the connection line (44) is conveyed and made to pass through the interspace (38).

IPC 8 full level
A47L 15/42 (2006.01); **D06F 39/00** (2006.01)

CPC (source: EP)
A47L 15/4229 (2013.01); **A47L 15/4231** (2013.01)

Citation (search report)
• [A] DE 3015728 A1 19811029 - LICENTIA GMBH [DE]
• [DA] EP 1025793 A2 20000809 - BITRON SPA [IT]
• [A] DE 19614813 A1 19961017 - BITRON SPA [IT]
• [A] DE 2646307 A1 19780420 - EURO HAUSGERAETE GMBH
• [A] DE 4036046 A1 19920514 - LICENTIA GMBH [DE]

Cited by
EP2033566A1; EP2368477A3; CN108742454A; EP2368478A3; DE202015007584U1; US10646098B2; WO2016203441A1; WO2016203439A1; WO2016203440A1; EP4046560A1; IT202100003671A1

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Designated extension state (EPC)
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DOCDB simple family (publication)
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EP 07105756 A 20070405; AT 07105756 T 20070405; CN 200710096032 A 20070410; DE 602007000834 T 20070405; ES 07105756 T 20070405; IT TO20060269 A 20060411; PL 07105756 T 20070405