

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

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

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

Publication
EP 1844693 B1 20100324 (EN)

Application
EP 07103564 A 20070306

Priority
IT TO20060165 A 20060307

Abstract (en)
[origin: EP1844693A1] The device comprises: a first tank (24) for containing substances with water-softening properties, having at least one inlet opening (26) for water to be softened and an outlet opening (28) for softened water; a second salt-containing tank (30), having a water inlet opening (32) and an outlet opening (34) for a regenerating brine; a line (36) connecting the second tank (30) to the first tank (24) so that the brine formed in the second tank (30) can flow out towards the first tank (24); and a water supply line (10) having a first branch-off point (18) into a first branch (20) supplying the first tank (24) and into a second branch (22) which leads to the inlet opening (32) of the second tank (30). A valve (38) is situated at the branch-off point (18) or a converging point (40) of the first branch (20) and the connection line (36). The valve (38) is able to assume a first operating configuration where it prevents the outflow from the supply line (18) towards the first tank (24) via the second tank (30), while it allows the flow along the first branch (20) towards the first tank (24), so that all the water supplied to the branch-off point (18) is diverted directly into the first tank (24), and a second operating configuration where it allows both the outflow from the supply line (10) towards the first tank (24) via the second tank (30) and the flow along the first branch (20) towards the first tank (24), so that the water supplied is diverted into the first tank (24) partly directly and partly via the second tank (30).

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A47L 15/42 (2006.01)

CPC (source: EP)
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Cited by
EP2561790A1; US2015351605A1; CN102462473A; KR20180030982A; EP2630905A1; ITTO20110775A1; CN102976500A; DE202015007584U1; US9661979B2; WO2013090445A1; WO2016203442A1; WO2009056495A1; US10646098B2; US9357898B2; US10165925B2; US10925460B2; US11304587B2; US11812914B2

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