

Title (en)
Improved water-softening device

Title (de)
Verbesserte Wasserenthärtervorrichtung

Title (fr)
Dispositif adoucisseur amélioré

Publication
EP 2561790 B1 20141224 (EN)

Application
EP 12181443 A 20120823

Priority
IT TO20110775 A 20110825

Abstract (en)
[origin: EP2561790A1] The water-softening device for electrical household appliances 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 at least one water inlet opening (32) and an outlet opening (34) for a regenerating brine formed following the dissolution of the salt in the water; 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); a water supply line (10) having a 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); and a switching valve (38) with a shutter adapted to cause the water to flow into the first or second branch (20, 22). The valve (38) further comprises a passage (42) which puts into communication the water supply line (10) and the first branch (20) independently of the position of the shutter.

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

CPC (source: EP US)
A47L 15/4229 (2013.01 - EP US); **D06F 39/007** (2013.01 - EP US)

Cited by
WO2014174452A1; WO2014174451A1; ITTO20130339A1; ITTO20130338A1; EP3756527A1; IT201900010461A1; DE202015007584U1; US10646098B2

Designated contracting state (EPC)
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