

Title (en)
Dishwasher.

Title (de)
Geschirrspülmaschine.

Title (fr)
Machine à laver la vaisselle.

Publication
EP 0205787 A1 19861230 (DE)

Application
EP 86104780 A 19860408

Priority
DE 3522900 A 19850626

Abstract (en)
1. Dishwashing machine with a fresh water inflow duct (11, 12, 14), which leads to an ion exchanger (2) and displays a free flow path (13) and a water inlet valve which is controllable by the program control device of the machine, and with a multichamber storage container (8), which is fillable by fresh water and the chambers of which are connected by way of a distributor chamber (9) inclusive of setting element (10) and by way of a duct (39) with the salt supply chamber (5), which stands in communication through a controllable valve (40) with the ion exchanger (2) and sits together with this below the storage container (8), as well as with a level-regulating vessel (16), which consists of an overflow chamber (20), which is emptiable by means of a siphon (23) and divided off from the rinsing container by an overflow partition (18) and in which a float (21), sensor or the like is arranged or to which a pressure monitor is connected, which at a certain filling level closes the water inflow valve and/or a safety valve, wherein the ion exchanger (2) is connected to the rinsing container or its outlet trough and the filling nipple (6) of the salt supply chamber (5) is closable by a lid or the like, characterised thereby, that the fresh water inflow duct (11, 12, 14), the ion exchanger (2), the salt supply chamber (5) with its filling nipple (6), the storage container (8), the free flow path (13), the level-regulating vessel (16), the condensation chamber (35), the distributor chamber (9), the duct (39) leading therefrom to the salt supply chamber (5) and a valve housing (41) for the named valve (40) form a container unit (1) of synthetic material arranged beside the rinsing container and that the filling nipple (6) of the salt supply chamber (5) of the container unit (1) is led through the rinsing container side wall into the rinsing space.

Abstract (de)
Um den Montage- und Herstellungsaufwand bei Geschirrspülmaschinen mit Enthärtungseinrichtung sowie Regenerierwasser-Speicherbehälter zu vermindern und um die Maschine gegen Undichtheiten in den Flüssigkeitsführungen sicherer zu gestalten wird vorgeschlagen, daß in eine aus Ionenaustauscher (2) und Salzvorratskammer (5) bestehende Behältereinheit (1) der Enthärtungseinrichtung der Speicherbehälter (8) und die freie Fließstrecke (13) integriert sind und die Behältereinheit neben dem Spülbehälter angeordnet sowie durch einen Auslaß (15) des Ionenaustauschers an den Spülbehälter oder dessen Ablaufwanne angeschlossen ist.

IPC 1-7
A47L 15/42

IPC 8 full level
A47L 15/42 (2006.01)

CPC (source: EP)
A47L 15/4229 (2013.01)

Citation (search report)
• [A] FR 2482442 A3 19811120 - SMEG ELETTRODOMESTICI [IT]
• [AD] DE 3239226 C1 19840119 - BOSCH SIEMENS HAUSGERAETE
• [AD] GB 2133975 A 19840808 - BOSCH SIEMENS HAUSGERAETE
• [A] DE 3209500 A1 19831006 - BOSCH SIEMENS HAUSGERAETE [DE]
• [A] EP 0000942 A1 19790307 - HOBART CORP [US]
• [A] FR 2442038 A1 19800620 - SCHROTT HUGO [DE]
• [A] DE 1517387 A1 19690514 - CONSTRUCTA WERKE GMBH

Cited by
EP0612495A1; EP0678274A1; EP0439397A1; FR2657704A1; FR2719208A1; EP0570872A1; WO2011057513A1; US10646098B2; EP0367062B1

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
EP 0205787 A1 19861230; EP 0205787 B1 19900131; AU 582866 B2 19890413; AU 5925286 A 19870108; DE 3522900 A1 19870108; DE 3668544 D1 19900308; ES 554872 A0 19870416; ES 8704719 A1 19870416

DOCDB simple family (application)
EP 86104780 A 19860408; AU 5925286 A 19860625; DE 3522900 A 19850626; DE 3668544 T 19860408; ES 554872 A 19860512