

Title (en)

Dishwasher with improved hydraulic circuit

Title (de)

Geschirrspülmaschine mit verbessertem hydraulischen Kreis

Title (fr)

Lave-vaisselle avec circuit hydraulique amélioré

Publication

EP 1813182 A1 20070801 (EN)

Application

EP 06425044 A 20060130

Priority

EP 06425044 A 20060130

Abstract (en)

A dishwasher includes an upper sprinkler (US) and a lower sprinkler (LS) that receive water through respective delivery ducts (UD, LD), on the bottom of the washing tank there being arranged a collecting sump (S), a suction duct (SD) branching out from the bottom of the latter and leading to a wash pump (P) provided with two deliveries (D1, D2) toward the respective delivery ducts (UD, LD), as well as a valve system suitable to independently control the water flow in the two deliveries (D1, D2), said valve system including at least one two-position slide valve (SV) with a single inlet and two outlets arranged in one of the deliveries (D1), a first outlet of said slide valve (SV) being directly connected to a first delivery duct (LD), whereas the second outlet is connected to the second delivery duct (UD) through a substantially Y-shaped connector (C). In this way the user can choose between alternate wash and simultaneous wash, and the machine has a more efficient, reliable and cheap structure (both to manufacture and to use) with respect to conventional machines in which the hydraulic circuit includes two shut-off valves for controlling the water flow to the sprinklers.

IPC 8 full level

A47L 15/42 (2006.01); **A47L 15/23** (2006.01)

CPC (source: EP)

A47L 15/4221 (2013.01); **A47L 2301/04** (2013.01)

Citation (search report)

- [DA] EP 1586265 A1 20051019 - BONFERRARO SPA [IT]
- [A] EP 1502535 A2 20050202 - LG ELECTRONICS INC [KR]
- [A] EP 0943282 A2 19990922 - AEG HAUSGERAETE GMBH [DE]
- [A] EP 0795292 A2 19970917 - CANDY SPA [IT]
- [A] WO 0022973 A1 20000427 - ARCELIK AS [TR], et al

Cited by

ITTO20120165A1; CN112160079A; WO2013126481A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1813182 A1 20070801

DOCDB simple family (application)

EP 06425044 A 20060130