

Title (en)
Dishwasher with improved hydraulic circuit

Title (de)
Geschirrspülmaschine mit einem Flüssigkeitskreislauf

Title (fr)
Lave-vaisselle avec circuit hydraulique

Publication
EP 1886614 A1 20080213 (EN)

Application
EP 06425575 A 20060807

Priority
EP 06425575 A 20060807

Abstract (en)
A dishwasher includes an upper sprinkler (US), a lower sprinkler (LS) and a ceiling sprinkler (CS) that receive water through respective delivery ducts (UD, LD, CD), 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 a delivery (D) in which there is arranged a three-way valve (V) with a single inlet and three outlets, that includes a rotating shutter (RS) suitable to be alternately aligned with one of the three outlets while shutting the other two, the three delivery ducts (UD, LD, CD) being each connected to one of these three outlets. In this way it is possible to achieve the same function of alternate wash combined with the ceiling sprinkler (CS) without having to increase the water load, and therefore without any increase in water and power consumption, as well as in noise; moreover, the ceiling sprinkler (CS) can have a flow rate equal to that of the rack sprinklers (US, LS), whereby the washing effectiveness is increased.

IPC 8 full level
A47L 15/23 (2006.01); **A47L 15/42** (2006.01)

CPC (source: EP)
A47L 15/4221 (2013.01); **A47L 15/23** (2013.01)

Citation (search report)
• [XA] DE 10133129 A1 20030116 - MIELE & CIE [DE]
• [XA] WO 03005875 A1 20030123 - MIELE & CIE [DE], et al
• [XA] EP 1123684 A2 20010816 - BONFERRARO SPA [IT]
• [XA] EP 0383028 A2 19900822 - LICENTIA GMBH [DE]

Cited by
CN113892875A; WO2012091383A1; WO2010124960A1

Designated contracting state (EPC)
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Designated extension state (EPC)
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