

Title (en)
Dishwasher with "half load" function

Title (de)
Geschirrspülmaschine mit "Halb-Beladungsfunktion"

Title (fr)
Lave-vaisselle ayant fonction "demi-charge"

Publication
EP 1726246 A1 20061129 (EN)

Application
EP 05425361 A 20050523

Priority
EP 05425361 A 20050523

Abstract (en)
A dishwasher with half load function includes two sprinklers that receive water from a washing pump (1) that sucks in water from the collecting sump (2) through a suction duct (3) and delivers it to the lower sprinkler through a first delivery pipe in two parts (4/5), between which there is arranged a shut-off valve (6), and to the upper sprinkler through a second delivery pipe (7). When the half load function is selected, the valve (6) is activated so as to shut off the flow to the lower sprinkler and simultaneously cause the opening of an alternative outlet (9) and the return of the water to the sump (2) through a return line (10). The alternative outlet (9) and the return line (10) are sized so as to assure the same head loss that is present downstream of the valve (6) in full load washing condition, so that the working point of the pump (1) remains unchanged and it is therefore possible to use a synchronous motor pump.

IPC 8 full level
A47L 15/42 (2006.01)

CPC (source: EP)
A47L 15/4221 (2013.01); **A47L 15/4225** (2013.01); **A47L 2301/04** (2013.01)

Citation (search report)
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• [A] EP 1498065 A1 20050119 - BONFERRARO SPA [IT]
• [A] EP 0601220 A1 19940615 - SIEMENS AG [DE]
• [A] DE 2304035 A1 19740801 - MIELE & CIE
• [A] WO 9632049 A1 19961017 - WHITE CONSOLIDATED IND INC [US]

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
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