

Title (en)
Dishwasher with washing tank divisible into two sectors

Title (de)
Geschirrspülmaschine mit in zwei Teile teilbarem Spülbehälter

Title (fr)
Lave-vaisselle avec cuve de lavage divisible en deux secteurs

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Application
EP 02425374 A 20020607

Priority
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Abstract (en)
A dishwasher includes an electrovalve (W) controlling the entrance of water from the network, a water softening unit (A, R, S), a washing tank, a drain duct (D) and a microprocessor, in the washing tank there being provided two racks (R, R') side by side and a removable central dividing baffle (S) which performs the division of the tank into two independent sectors (T, T') each of which is provided with a collecting sump with relevant filter from which the water reaches a wash pump (WP; WP') and a drain pump (DP; DP'), a heating resistor (H; H'), a detergent distributor, a top sprinkler (U; U') and a bottom sprinkler (L; L'). The feeding of the water coming from the softening unit takes place through a deviating valve (VD) which directs the water to the respective supply ducts of the sectors (T, T') and the draining takes place through a connector (Y) which converges the drain ducts of the two sectors (T, T') into the common drain duct (D), and there is also provided a four-way valved manifold (C) which puts in communication the two sectors (T, T'). In this way each of the two sectors can operate according to its own cycle with specific parameters of temperature, duration and type of detergent even in different moments with respect to the other sector, and when using only one sector the machine can actually operate at half load with an energy saving close to 50%. <IMAGE>

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CPC (source: EP)
A47L 15/4248 (2013.01); **A47L 15/4251** (2013.01)

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• [A] WO 9908810 A1 19990225 - SINGH BALJIT [US]
• [A] DE 7105474 U 19710819
• [A] EP 0585905 A2 19940309 - DAEWOO ELECTRONICS CO LTD [KR]
• [A] US 6289908 B1 20010918 - KELSEY MARJORIE K [CA]
• [A] DE 3337369 A1 19850425 - JANHSEN JAKOBUS

Cited by
EP1584282A3; US2012043871A1; EP1591054A1; KR20150000268A; US2011214702A1; US9265398B2; EP3868279A4; US11974711B2; US8932411B2; WO2016120164A1

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