

Title (en)
Dishwasher with means for reducing the water and power consumption

Title (de)
Geschirrspülmaschine mit Mitteln zur Reduzierung des Energie- und Wasserverbrauchs

Title (fr)
Lave-vaisselle avec moyens pour réduire la consommation d'eau et d'énergie

Publication
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Application
EP 03425389 A 20030716

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 washing tank, a drain duct (D), a detergent distributor, a heating resistor (HR) 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 (J, J') with relevant filter and pressure switch (P, P'), a drain pump (DP; DP') and at least one sprinkler (L, L'). The feeding of the water coming from the softening unit takes place through a first 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 drain duct (D), there also being provided a three-way manifold which receives water from the collecting sumps (J, J') through respective ducts (E, E') and conveys it to a single washing pump (WP) which feeds it to the sprinklers (L, L') through a second deviating valve (V) and relevant delivery ducts (H, H'), said manifold being provided with shutter means suitable to close the inlets of the ducts (E, E') coming from the collecting sumps (J, J'). In this way, when using one sector only the machine can actually operate at half load with a power and water saving close to 50%, and also in the full load operation it is possible to achieve a high water saving by transferring the water from one sector to the other for an alternate washing. <IMAGE>

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IPC 8 full level
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Citation (search report)

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