

Title (en)
A DISHWASHER WITH REDUCED ENERGY CONSUMPTION

Title (de)
GESCHIRRSPÜLMASCHINE MIT GERINGEM ENERGIEVERBRAUCH

Title (fr)
LAVE-VAISSELLE AVEC UNE CONSOMMATION D'ENERGIE RÉDUITE

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Application
EP 11778905 A 20111104

Priority

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Abstract (en)
[origin: WO2012062680A1] The present invention relates to a dishwasher (1) comprising a tub (2) wherein the washing process is performed, a tub inlet (3) that provides air entrance into the tub (2), a tub outlet (4) providing the air in the tub (2) to be discharged, an air channel (5) located outside the tub (2), providing a closed air cycle between the tub outlet (4) and the tub inlet (3), a fan (6) disposed on the air channel (5) and providing the air in the tub (2) to be sucked, a sump (7) disposed below the tub (2) and wherein the liquid used during washing is collected, a heater (8) disposed outside the sump (7) and providing the washing liquid to be heated, a circulation pump (9) providing the circulation of the washing liquid between the sump (7) and the heater (8), a liquid circulation line (16) that provides the connection between the sump (7), the heater (8) and the circulation pump (9), and a dehumidifying unit (10) disposed on the air channel (5) and having a container (11), at least one desiccant material (12) disposed inside the container (11), an inlet port (13) which provides the air coming from the air channel (5) to be received into the container (11) and an outlet port (14) providing the air in the container (11) to pass to the air channel (5), and the energy consumption of which is reduced.

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