

Title (en)

Device for evaporating water by means of electric heating

Title (de)

Einrichtung zum Verdampfen von Wasser mittels elektrischer Beheizung

Title (fr)

Dispositif pour vaporiser de l'eau au moyen de chauffage électrique

Publication

EP 1544539 B1 20080123 (DE)

Application

EP 04029412 A 20041211

Priority

DE 10358940 A 20031215

Abstract (en)

[origin: EP1544539A1] The system to evaporate water by electrical heating, e.g. in domestic appliances and electric tools, has a water pump (3) in parallel with a control contact (1), which switches the power supply (12) to the heating element (4) of the evaporator (2) on and off according to temperature. The opening of the control contact maintains the power supply and water is drawn through a suction tube (5) and a connecting tube (6) into an inflow (7), where water is sprayed on to the hot heating surface of the evaporator. Steam, free of droplets, is available at a high pressure at the steam outflow connection (8).

IPC 8 full level

F22B 1/28 (2006.01); **F22B 27/16** (2006.01)

CPC (source: EP)

F22B 1/287 (2013.01)

Cited by

EP1905330A1; US8177936B2; WO2008044180A3

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

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EP 04029412 A 20041211; AT 04029412 T 20041211; DE 10358940 A 20031215; DE 502004006032 T 20041211; DK 04029412 T 20041211; ES 04029412 T 20041211; PL 04029412 T 20041211; SI 200430672 T 20041211