

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)

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DOCDB simple family (publication)

**EP 1544539 A1 20050622; EP 1544539 B1 20080123**; AT E384915 T1 20080215; DE 10358940 B3 20050609; DE 502004006032 D1 20080313; DK 1544539 T3 20080526; ES 2300697 T3 20080616; PL 1544539 T3 20080731; SI 1544539 T1 20080630

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