

Title (en)

Electric steam iron with a low temperature steam control system

Title (de)

Elektrisches Dampfbügeleisen mit Niedrigtemperaturdampfsteuerungssystem

Title (fr)

Fer à vapeur électrique avec système de contrôle de vapeur à basse température

Publication

EP 2239366 A1 20101013 (EN)

Application

EP 10157171 A 20100322

Priority

US 16786409 P 20090408

Abstract (en)

A low temperature steam control system of an electric steam iron includes a low temperature water discharge valve and a high temperature water discharge valve, which may be controlled by a low temperature bi-metal plate and a high temperature bi-metal plate respectively. Each bi-metal plate may include two overlaying metal plates with different thermal expansion coefficients. When the soleplate is heated by a heating element to a first temperature, the low temperature bi-metal plate can flex and open the low temperature water discharge valve allowing water to flow from a water tank into a vaporization chamber. When the soleplate is further heated by the heating element to a second temperature, the high temperature bi-metal plate can flex and open the high temperature water discharge valve allowing additional water to flow from the water tank into the vaporization chamber.

IPC 8 full level

D06F 75/14 (2006.01); **D06F 75/18** (2006.01); **D06F 75/26** (2006.01)

CPC (source: EP US)

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Citation (search report)

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Designated contracting state (EPC)

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