

Title (en)  
ELECTRIC HEATING DEVICE

Publication  
**EP 0304595 B1 19920520 (DE)**

Application  
**EP 88111091 A 19880712**

Priority  
DE 3723345 A 19870715

Abstract (en)  
[origin: JPS6431369A] PURPOSE: To provide a flat heating plate with high-temperature load characteristic for preventing the clouding of a mirror glass with a simple manufacturing method by forming at least a part of a heating unit, having a heating resistance installed by coating by partially use of a paper-like base. CONSTITUTION: An object 10 to be heated, such as a mirror is exposed constantly to a high humidity which causes clouding in a bathroom, and a heating device having a heating resistance 2 on the reverse side are arranged. The surface of a support body 3 for housing the heating resistance 2 covers the object 10 to be heated, so as to airtightly prevent moisture by use of a thin self-adhesive layer 14 or a layer similar to the support body. The heating resistance 2 is formed of a mixture of a paste mainly containing a metal and a graphite paste, and stabilized by thermal treatment, bonded and hardened with the support body 3. According to such a structure, despite the simple manufacturing process a flat heating plate for preventing the clouding of a mirror glass which has high-temperature load characteristic can be provided.

IPC 1-7  
**H05B 3/26**; **H05B 7/10**

IPC 8 full level  
**H05B 3/20** (2006.01); **H05B 3/26** (2006.01); **H05B 3/36** (2006.01); **H05B 3/74** (2006.01); **H05B 7/10** (2006.01)

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