

Title (en)
Flame simulator for imitation fireplace electric heater

Title (de)
Vorrichtung zum Simulieren von Flammen für elektrischen Kaminofen

Title (fr)
Simulateur de flammes pour cheminée électrique

Publication
EP 1271060 B1 20060726 (EN)

Application
EP 02250149 A 20020109

Priority
CN 01113160 A 20010628

Abstract (en)
[origin: EP1271060A1] An imitation fireplace electric heater with a flame simulator, comprises a dynamic light source (1), a fire-shaped wall (2) opened with various flame-shaped transparent holes (9), a translucent imaging screen (3), a semitransparent mirror glass screen (4), and plastics blocks (5,6) having a trunk charcoal shape. The imaging screen (3) is located in front of the fire-shaped wall (2). The mirror glass screen (4) is arranged in front of the imaging screen (3), the plastics blocks (5,6) are placed before the mirror glass screen (4), a dynamic light source (1) is disposed on the other side of the fire-shaped wall, in which an electroluminescent lamp is installed in a hollow cylindrical transparent mask to serve as the dynamic light source. Transparent holes are distributed on the surface of transparent mask, which is fixed to a lamp bracket, itself connected to an electric motor driving it into rotation via a transmission mechanism. It has the advantages of vivid in simulation, suitable for utilisation in an imitation fireplace electric heater. <IMAGE>

IPC 8 full level
F24C 7/00 (2006.01)

CPC (source: EP)
F24C 7/004 (2013.01)

Cited by
EP3124871A1; US7236693B2; CN105526619A; CN104534395A; GB2391934A; CN103925554A; CN105509128A; GB2381310A; GB2381310B; EP1947381A4; CN108006791A; WO2007039126A1; US7234255B2; US7673408B2; WO2013110674A3; WO2008073786A3; WO2007141013A1; US7373743B1; US8661721B2; US7770312B2; US9134032B2

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