

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 A1 20030102 (EN)**

Application  
**EP 02250149 A 20020109**

Priority  
CN 01113160 A 20010628

Abstract (en)  
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 1-7  
**F24C 7/00**

IPC 8 full level  
**F24C 7/00** (2006.01)

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

Citation (applicant)  
• CN 96222711 U 19960828  
• CN 00217056 U 20000327

Citation (search report)  
• [X] EP 1020685 A2 20000719 - CFM MAJESTIC INC [CA]  
• [X] GB 2321700 A 19980805 - MCPHERSON ROBERT [GB]  
• [A] US 6050011 A 20000418 - HESS KRISTOFFER [CA], et al

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