

Title (en)  
FLAME SIMULATING ASSEMBLY AND COMPONENTS THEREFOR

Title (de)  
VORRICHTUNG ZUM SIMULIEREN VON FLAMMEN UND BAUELEMENTE DAFÜR

Title (fr)  
AGENCEMENT SIMULANT DES FLAMMES ET SES CONSTITUANTS

Publication  
**EP 0897514 A1 19990224 (EN)**

Application  
**EP 97919227 A 19970430**

Priority  
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Abstract (en)  
[origin: WO9741393A1] An electric fireplace (12) is provided having an improved flame simulating apparatus. The flame simulating apparatus includes a light source (30), a flame effect element (58) for transmitting light to produce a flame effect, and a flicker element (62, 64) having reflective strips for reflecting light from the light source for subsequent reflection by the flame effect element. An alternate flame effect element for reflecting light to produce a flame effect is also provided. A screen having a partially reflecting surface and a diffusing surface is positioned with the flame effect element extending proximate to the diffusing surface. An alternate screen is provided having a diffusing region through its thickness. A fuel bed (26) is positioned immediately adjacent to the partially reflecting surface of the screen to produce an image of the fuel bed (26) on the screen with the image of moving flames appearing to emanate between the fuel bed and its reflected image. The screen may also be given a non-planar diffusing region such that the image of moving flames appears to emanate from behind the reflected image of the fuel bed. A fire wall simulating apparatus is also provided to provide a reflection of a simulated fire wall on the partially reflecting surface which appears to be a fire wall behind the fuel bed.

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