

Title (en)
FLAME EFFECT FIRES

Title (de)
FLAMMENEFFEKTKAMINE

Title (fr)
FOYERS À EFFET FLAMMES

Publication
EP 2032903 A1 20090311 (EN)

Application
EP 07725873 A 20070606

Priority
• EP 2007005024 W 20070606
• GB 0611415 A 20060609

Abstract (en)
[origin: GB2438870A] A flame effect fire comprises a housing 12 having a back wall 20 and first and second side walls extending forwardly from the back wall. A viewing screen 32 having a front surface, a rear surface, opposed upper and lower edges and opposed side edges, is mounted forwardly of the back wall. A simulated fuel bed is mounted forwardly of the viewing screen. An air flow duct 34 is defined between the rear surface of the viewing screen and the back wall with a rear reflector 40 mounted at the rear of the air flow duct and at least one flame simulating element 38 mounted in the air flow duct between the back wall and the viewing screen. At least one light source 52 is mounted at a level below the simulated fuel bed and positioned to illuminate the fuel bed and the rear reflector. A fan 54 is positioned operatively to direct a flow of air upwardly through the air flow duct to cause movement of the flame simulating element with at least one electrical resistance heating element (60, fig. 1) mounted in the air flow duct proximate the upper edge of the viewing screen, and a heated air outlet 36 arranged above the upper edge of the viewing screen and in communication with the air flow duct. The electrical resistance heating element is mounted at the top of the air flow duct so that air flowing through the duct is heated before passing out of the outlet for space heating.

IPC 8 full level
F24C 7/00 (2006.01)

CPC (source: EP GB)
F24C 7/004 (2013.01 - EP GB); **F24C 7/06** (2013.01 - GB)

Citation (examination)
• GB 282945 A 19280105 - HUBERT ASHLEY DICKINSON
• US 2003049575 A1 20030313 - LYONS DAVID CHARLES [US], et al
• US 2005150485 A1 20050714 - BARBER NICHOLAS A [CA]
• See also references of WO 2007141013A1

Designated contracting state (EPC)
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