

Title (en)

SIMULATED ELECTRIC FIRE HAVING A LIGHT SOURCE GENERATING MULTIPLE COLOURS

Title (de)

KUNSTELEKTROKAMIN MIT MEHRERE FARBEN ERZEUGENDER LICHTQUELLE

Title (fr)

FEU ÉLECTRIQUE SIMULÉ ASSOCIÉ À UNE SOURCE DE LUMIÈRE GÉNÉRANT DE MULTIPLES COULEURS

Publication

EP 2097677 A2 20090909 (EN)

Application

EP 07822846 A 20071123

Priority

- EP 2007062754 W 20071123
- GB 0623465 A 20061124

Abstract (en)

[origin: GB2444074A] A simulated fire has a light source 190 that generates multiple colours which give a coloured output which is then incident on a fire simulation means. In some embodiments multiple colours are output from one or more multi-coloured LEDs or from an array of LEDs of different colours to generate an image of a fire on a screen (180, fig 1). The height or angle of the light source 190 or the surface onto which it is directed, may be fixed (figs 2a,2b,6) or adjustable (figs 1,2,3). A fuel bed 110 may be illuminated by the light source or an additional light source 170. The screen may have a diffusing surface and a reflecting surface. The flame effect may include ribbons (186, fig 1) and a fan 188; a mask; a rotating foil rotisserie (fig 3); a rotating filter (645, fig 6); or a rotating drum with LEDs (715, fig 7) on its surface. In addition to the epoxy casino encapsulating the LED, a secondary lens or light shaper with ridges (426, fig 4) or an array of micro-lens (fig 5) may be provided.

IPC 8 full level

F21S 10/04 (2006.01); **F24C 7/00** (2006.01)

CPC (source: EP GB US)

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