

Title (en)  
FIREPROOF LED LIGHTING

Title (de)  
FEUERFESTE LED-BELEUCHTUNG

Title (fr)  
ÉCLAIRAGES À DIODES ÉLECTROLUMINESCENTES IGNIFUGES

Publication  
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Application  
**EP 12844489 A 20121026**

Priority  
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Abstract (en)  
[origin: EP2778509A1] A fireproof LED lamp is provided by the present invention, including a LED circuit board (1), a LED lens (2) and a lamp ring (3) provided with a side wall, wherein the LED circuit board (1) is provided with a LED light (4), the LED circuit board (1), LED light (4) and LED lens (2) are placed in the lamp ring (3), a radiator (5) is provided behind the LED circuit board (1), and a fireproof expansion unit (6) made of a fireproof expansion material is provided on the front and/or on the side of the LED circuit board (1). In case of fire, the fireproof expansion unit will expand to cover the surface of the LED circuit board (1) and gaps around the LED circuit board to prevent the LED circuit board (1) being burnt, and to prevent a flame go out of the gaps of the lamp to effectively prevent the spread of fire.

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Citation (examination)  
GB 2459538 A 20091104 - PHOTONSTAR LED LTD [GB]

Cited by  
GB2532920A; GB2527199A; GB2527199B; US11071924B2; US9890944B2; WO2018191429A1

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