

Title (en)  
Explosion-proof and flame-proof light fitting with a pressure-resistant housing and a lens

Title (de)  
Explosions- oder schlagwettergeschützte Leuchte mit druckfest gekapseltem Leuchtengehäuse und daran befestigtem transparentem Abdeckteil

Title (fr)  
Luminaire antidéflagrant avec boîtier de luminaire et globe résistant à la pression

Publication  
**EP 0264039 B2 19951213 (DE)**

Application  
**EP 87114458 A 19871003**

Priority  
DE 3634556 A 19861010

Abstract (en)  
[origin: EP0264039A2] A light fitting is constructed from a light fitting housing (11) encapsulated in a pressure-resistant fashion and a over part (12) which is fastened thereto and likewise encapsulated in a pressure-resistant fashion. Electrical components (14, 15) for supplying one or more lamps (25) arranged in the over part (12) are accommodated in the light fitting housing (11). In order to enable the light fitting housing (11) to be made from plastic instead of metal, high-volume filling parts (16, 21) are provided together with the electrical components (14, 15) in the light fitting housing (11). The volume of the filling parts (16, 21) is dimensioned such that a free residual volume (22, 28) of less than 3000 cm<3> remains between the inner surface of the light fitting housing (11) consisting of plastic and the outer surface of the filling parts and the electrical components (14, 15).  
<IMAGE>

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**F21V 25/12**

IPC 8 full level  
**F21V 25/12** (2006.01)

CPC (source: EP)  
**F21V 25/12** (2013.01); **F21V 31/04** (2013.01)

Cited by  
CN112673209A; US11306909B2; WO2019220133A1

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**EP 0264039 A2 19880420**; **EP 0264039 A3 19890726**; **EP 0264039 B1 19930303**; **EP 0264039 B2 19951213**; DE 3634556 A1 19880414; DE 3784434 D1 19930408

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