

Title (en)  
EXPLOSION-PROOF LIGHTING DEVICE

Title (de)  
EXPLOSIONSGESCHÜTZTE BELEUCHTUNGSANORDNUNG

Title (fr)  
DISPOSITIF D'ECLAIRAGE ANTIDÉFLAGRANT

Publication  
**EP 1307689 B1 20060503 (EN)**

Application  
**EP 01974975 A 20010808**

Priority  
• NL 0100593 W 20010808  
• NL 1015890 A 20000808

Abstract (en)  
[origin: WO0212787A1] An explosion proof lighting device which is suitable for lighting an area which is at risk of explosion, belonging to zone zero, comprising a housing (1), a light source (3) which is situated in the housing, a light guide (4), one end of which is connected to the housing, a light head (5), which is arranged at the other end of the light guide, and a power supply (6) to the housing in order to provide at least the light source with energy. The housing is provided with an air feed line (7) for feeding air, while the device is operating, to the housing from an air source which is at a distance from the housing, in order to maintain an excess pressure in the housing with respect to the environment. The housing is also provided with a pressure-monitoring system, which ensures that the device is switched off safely if the excess pressure in the housing becomes too low or too high.

IPC 8 full level  
**F21V 25/12** (2006.01); **F21V 8/00** (2006.01)

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

Cited by  
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DOCDB simple family (publication)  
**WO 0212787 A1 20020214**; AT E325308 T1 20060615; AU 9434601 A 20020218; DE 60119334 D1 20060608; EP 1307689 A1 20030507; EP 1307689 B1 20060503; NL 1015890 C2 20020212

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