

Title (en)  
EXPLOSION-PROTECTED LIGHT FITTING AND PLUG-IN CONNECTION

Title (de)  
EXPLOSIONSGESCHÜTZTE LEUCHTE UND STECKVERBINDUNG

Title (fr)  
APPAREIL D'ECLAIRAGE A L'EPREUVE DES EXPLOSIONS ET CONNECTEUR

Publication  
**EP 1310021 A1 20030514 (DE)**

Application  
**EP 01971815 A 20010730**

Priority  
• DE 20014168 U 20000817  
• EP 0108798 W 20010730

Abstract (en)  
[origin: WO0215348A1] An explosion-protected light fitting (1) has a light fitting housing (2) and a lighting means (4) which can be fixed to said housing and supplied with electricity by at least one mounting (3). Said mounting can be connected to a supply line (6) and said light fitting housing can be closed with a transparent cover (7) and can only be opened when disconnected from the supply. The aim of the invention is to improve a light fitting in such a way as to provide a simple, economical means of disconnecting the lighting means or the entire light fitting from the supply and at the same time, provide shock protection from parts of the light fitting that are live, taking into account the requirements for explosion-protected light fittings. To this end, a counter-element (8) of a plug-in connection is located externally on the light fitting housing. A corresponding plug-in element (9) of the plug-in connection on the supply line (6) can be connected to said counter-element, especially in an explosion-protected manner. The cover (7) can be locked in its closed position (10) until the plug-in connection is released.

IPC 1-7  
**H01R 33/965**; **F21V 25/12**; **F21S 8/00**

IPC 8 full level  
**F21S 8/00** (2006.01); **F21V 25/04** (2006.01); **F21V 25/12** (2006.01); **F21V 27/02** (2006.01); **H01R 13/533** (2006.01)

CPC (source: EP US)  
**F21V 25/04** (2013.01 - EP); **F21V 25/12** (2013.01 - EP); **F21V 27/02** (2013.01 - EP); **H01R 13/533** (2013.01 - EP US);  
**F21Y 2103/00** (2013.01 - EP US)

Citation (search report)  
See references of WO 0215348A1

Designated contracting state (EPC)  
AT CH DE FR GB IT LI

DOCDB simple family (publication)  
**WO 0215348 A1 20020221**; AT E337634 T1 20060915; DE 20014168 U1 20011220; DE 50110817 D1 20061005; EP 1310021 A1 20030514; EP 1310021 B1 20060823; NO 20030712 D0 20030214; NO 20030712 L 20030411; NO 324221 B1 20070910

DOCDB simple family (application)  
**EP 0108798 W 20010730**; AT 01971815 T 20010730; DE 20014168 U 20000817; DE 50110817 T 20010730; EP 01971815 A 20010730; NO 20030712 A 20030214