

Title (en)  
EXPLOSION-PROOF LUMINAIRE

Title (de)  
EXPLOSIONSGESCHÜTZTE LEUCHTE

Title (fr)  
LUMINAIRE ANTIDÉFLAGRANT

Publication  
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Application  
**EP 18726444 A 20180518**

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Abstract (en)  
[origin: WO2018219695A1] The invention relates to a luminaire (10) comprising an internal space (15) which is divided into a first section (17) and a second section (18) by a separating wall (16). While the first section (17) is free and contains at least one light source, an operating circuit (25) for the light source (19) and/or other components forming potential ignition sources and/or other components that are not considered as ignition sources are arranged in the section section (18). The section (18) is provided with an open-pore filling material. The separating wall (16) has at least one opening (22) which permits a fluidic connection between the two sections (17, 18). The section (18) of the internal space (15) provided with filling material (29) functions as a pressure-relief volume for the first section (17), in which the light source (19) is arranged. The filling material (29) can entirely or partially fill the section (18).

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