

Title (en)
Explosion-protected luminaire

Title (de)
Explosionsgeschützte Leuchte

Title (fr)
Luminaire anti-déflagrant

Publication
EP 1308670 A1 20030507 (EN)

Application
EP 01660198 A 20011030

Priority
EP 01660198 A 20011030

Abstract (en)
The invention relates to an explosion-protected luminaire (1) comprising an illumination source (2), a plastic casing (3), and means (15) for providing electric power to illuminate the illumination source (2). The plastic casing (3) comprises at least a transparent middle block (20), and non-transparent first (18) and second end blocks (19). The electric power is supplied to the illumination source (2) through at least one barrier (12) to limit the maximum power supplied to the illumination source (2). The illumination source (2) comprises light emitting diodes (10). <IMAGE>

IPC 1-7
F21V 25/12

IPC 8 full level
F21V 15/01 (2006.01); **F21V 25/12** (2006.01)

CPC (source: EP US)
F21V 15/01 (2013.01 - EP US); **F21V 25/12** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (applicant)
US 5381321 A 19950110 - FEARING JR OLIVER H [US], et al

Citation (search report)
• [E] EP 1156272 A2 20011121 - STAHL R SCHALTGERAETE GMBH [DE]
• [XY] US 4463399 A 19840731 - MATHERLY DAVID R [US], et al
• [Y] WO 9857527 A1 19981217 - CENTAUREA OY [FI], et al
• [A] US 4298869 A 19811103 - OKUNO YASUO
• [A] EP 0823589 A2 19980211 - APPLETON ELECTRIC CO [US]

Cited by
DE102017207181A1; EP2028416A1; EP1630475A1; DE102004044166A1; DE102004044166B4; GB2416240A; GB2416240B; WO2006021620A1; WO2004104971A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1308670 A1 20030507; **EP 1308670 B1 20100106**; AT E454590 T1 20100115; DE 60141027 D1 20100225

DOCDB simple family (application)
EP 01660198 A 20011030; AT 01660198 T 20011030; DE 60141027 T 20011030