

Title (en)
Explosion-proof apparatus, especially lamp

Title (de)
Explosionsgeschütztes Gerät, insbesondere Leuchte

Title (fr)
Appareil anti-déflagrant, notamment lampe

Publication
EP 0561317 B1 19970910 (DE)

Application
EP 93104140 A 19930313

Priority
DE 4208893 A 19920319

Abstract (en)
[origin: EP0561317A2] An explosion-proof apparatus, especially a lamp, having a housing which has a housing lower part (11) and a housing upper part (60) which can be connected thereto, has a switch (12) which is accommodated in the housing and which, when it is opened, interrupts power-supply leads leading to electrical equipment located in the housing. In this case, the switch (12), which has an explosion-proof or flameproof switching-chamber space (21), is firmly connected to the housing lower part (11). In order to operate the switch, at least one operating plunger (30, 30a), which engages in a flameproof manner through in each case one hole (28, 29) in the switching-chamber space (21), is provided for switching contacts (24, 25) which are located in the interior of the switching-chamber space (21) which operating plunger (30, 30a) is connected to the housing upper part (60) and can be completely pulled out of the switch (12) when the housing upper part (60) is removed from the housing lower part (11). The length of the associated hole (28, 29) is dimensioned such that the flameproofing is maintained until the switching contacts (24, 25) are completely switched off. <IMAGE>

IPC 1-7
H05K 5/06; **F21V 25/12**; **F21V 23/04**; **H01H 9/04**

IPC 8 full level
F21V 23/04 (2006.01); **F21V 25/04** (2006.01); **F21V 25/12** (2006.01); **H01H 9/04** (2006.01); **H05K 5/06** (2006.01)

CPC (source: EP)
F21V 25/04 (2013.01); **F21V 25/12** (2013.01); **H01H 9/042** (2013.01)

Cited by
DE10052846C2; CN116336404A; EP1736703A3; CN104112613A; DE19907846C1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0561317 A2 19930922; **EP 0561317 A3 19950419**; **EP 0561317 B1 19970910**; DE 4208893 A1 19930923; DE 59307296 D1 19971016

DOCDB simple family (application)
EP 93104140 A 19930313; DE 4208893 A 19920319; DE 59307296 T 19930313