

Title (en)

Explosion protection device with electric triggering

Title (de)

Explosionsschutzvorrichtung mit elektrischer Auslösung

Title (fr)

Dispositif de protection contre les explosions à déclenchement électrique

Publication

EP 0824027 B1 20030402 (DE)

Application

EP 97810343 A 19970604

Priority

CH 199296 A 19960813

Abstract (en)

[origin: EP0824027A1] The system has movement sensors (13,14) for identifying the explosion, arrangeable in the plant part at explosive risk or connected with this. At least one closing organ (3) is arrangeable between the plant part being protected and the plant part with risk of explosion. The system includes a trip unit (1), which has an electromagnet (5), which in its basic position holds the closing organ in its open position, and is connected electrically with the sensors and is operated by sensor signal. The closing organ is so preloaded, that after the operation of the trip unit, it is moved to its closed position. The trip unit is preloaded in its basic setting and the electromagnet has an active magnetic field for holding the trip in its basic position.

IPC 1-7

A62C 4/02

IPC 8 full level

A62C 4/02 (2006.01)

CPC (source: EP)

A62C 4/02 (2013.01)

Citation (examination)

- FR 2704152 A1 19941028 - SEPAME [FR]
- DE 4237179 A1 19940505 - GEZE GMBH & CO [DE]
- WO 9426352 A1 19941124 - NV BRANDSTOPP AB [SE], et al

Cited by

EP2489411A1; EP2510984A1; US6095492A; CN112344073A; AT520540A4; AT520540B1; EP2489412A2; US9259601B2

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