

Title (en)

Anti-explosion safety system for protecting enclosures

Title (de)

Sicherheitssystem gegen Explosionen zum Schutz von Räumen

Title (fr)

Un système de sûreté anti-explosion pour protection d'enceintes

Publication

EP 1865141 A3 20090128 (FR)

Application

EP 07380150 A 20070528

Priority

ES 200601562 A 20060609

Abstract (en)

[origin: EP1865141A2] The system has a gas detector (1) detecting the presence of an explosive gas e.g. oxygen gas, if the gas is introduced. The detector actuates a spark generator (6), through a relay (5), where the generator produces a low intensity explosion. The system repeats operating cycle, if gas introduction situation is reproduced, by performing a successive chain of small explosions and by avoiding a gas accumulation in a safety enclosure e.g. strong box.

IPC 8 full level

E05G 1/12 (2006.01)

CPC (source: EP ES)

E05G 1/00 (2013.01 - EP); **E05G 1/02** (2013.01 - EP); **E05G 1/12** (2013.01 - EP ES)

Citation (search report)

- [PY] DE 102005045647 A1 20070329 - DRAEGER KARL HEINZ [DE]
- [Y] DE 202006004439 U1 20060511 - TUTT LARS [DE]
- [E] EP 1950715 A2 20080730 - ASR HOLDING B V [NL]
- [PA] DE 102005041943 A1 20070308 - SCHWARZ DIETMAR [DE], et al
- [PA] DE 102005034396 A1 20070125 - LINDE AG [DE]

Cited by

EP2916298A1; RU198594U1; EP2949853A1; EP2542747A4; US9995079B2; DE202018000695U1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1865141 A2 20071212; EP 1865141 A3 20090128; ES 2310093 A1 20081216; ES 2310093 B1 20091105

DOCDB simple family (application)

EP 07380150 A 20070528; ES 200601562 A 20060609