

Title (en)
Device for protection against explosion of dust materials

Title (de)
Gegen Staubexplosionen geschützte Anlage

Title (fr)
Dispositif de protection contre des explosions de poussière

Publication
EP 0559968 B1 19970312 (DE)

Application
EP 92122136 A 19921230

Priority
DE 4207320 A 19920307

Abstract (en)
[origin: EP0559968A1] This invention relates to a plant in which dust is moved and which has a device to protect it against the explosion of dust materials. The plant includes a first apparatus (11), e.g. a container and a second apparatus (15) which is connected to the first by means of a connecting pipe (14), a decoupling valve (20) being arranged in the connecting pipe (14), which valve (20) is triggered by a central control unit (19). As soon as a signal transmitter in a pressure-relief device (13a) in the region of a quadrant pipe (16) detects a pressure peak in the connecting pipe, a signal is emitted to the central control unit (19), which without delay triggers the decoupling valve (20) and closes the connecting pipe (14), so that the apparatus (15) arranged downstream is protected against a flame spreading through the connecting pipe. <IMAGE>

IPC 1-7
A62C 3/04; **A62C 37/36**

IPC 8 full level
A62C 3/04 (2006.01); **A62C 37/36** (2006.01)

CPC (source: EP)
A62C 3/04 (2013.01); **A62C 37/36** (2013.01)

Cited by
RU2483768C2; EP0935981A1; US9757602B2; US6318475B1; WO2011047029A1

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

DOCDB simple family (publication)
EP 0559968 A1 19930915; **EP 0559968 B1 19970312**; AT E149849 T1 19970315; DE 4207320 A1 19930909; DE 4207320 C2 20000810; DE 59208188 D1 19970417

DOCDB simple family (application)
EP 92122136 A 19921230; AT 92122136 T 19921230; DE 4207320 A 19920307; DE 59208188 T 19921230