

Title (en)  
EXPLOSION-PROOF SWITCHGEAR

Publication  
**EP 0273164 B1 19920610 (DE)**

Application  
**EP 87116649 A 19871111**

Priority  
DE 3644141 A 19861223

Abstract (en)  
[origin: EP0273164A1] 2.1 An explosion-proof switchgear has a pressure-proof switch chamber (11) and a switch housing (19) which holds an operating element (34) and is connected thereto. 2.2 Inside the pressure-proof switch chamber (11) there are provided two fixed switch contacts (12, 13), which can each be bridged by a contact link (14, 15) and are connected to an operating ram (16, 17) which is designed such that it can slide out of the switch chamber (11) in a manner which is proof against ignition penetration. Above the operating ram in the switch housing (19), two spring-loaded transmission elements (24, 25) are provided which can be operated by means of the operating element, against the pressure of a spring (33) in the direction of closing or opening the contact points. 2.3 The switch gear is of simple design compared to known switchgears to the extent that the number of contact elements is reduced. It is used in control systems in explosion or flame hazard spaces. <IMAGE>

IPC 1-7  
**H01H 9/04; H01H 21/84**

IPC 8 full level  
**H01H 19/04** (2006.01); **H01H 9/04** (2006.01); **H01H 19/63** (2006.01); **H01H 19/635** (2006.01)

CPC (source: EP)  
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Cited by  
EP0508320A3; EP0863523A3

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DE FR GB

DOCDB simple family (publication)  
**EP 0273164 A1 19880706; EP 0273164 B1 19920610**; DE 3644141 A1 19880707; DE 3644141 C2 19960201; DE 3779739 D1 19920716; JP S63174230 A 19880718

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