

Title (en)  
Combined protection system

Title (de)  
Kombinierte Schutzanordnung

Title (fr)  
Système de protection combiné

Publication  
**EP 1517110 B1 20080102 (DE)**

Application  
**EP 03020528 A 20030916**

Priority  
EP 03020528 A 20030916

Abstract (en)  
[origin: EP1517110A1] The protection device (1A,1B) is applied to a protected structure (2) or integrated in the latter and has a layer construction with an inner inert or inert-dynamic protection zone (4). A front reactive protection zone (3) is supported by the inner protection zone and a pyrotechnic protection mechanism is situated on the side of the inner protection zone facing the protected structure.

IPC 8 full level  
**F41H 5/007** (2006.01); **F41H 5/04** (2006.01)

CPC (source: EP)  
**F41H 5/007** (2013.01); **F41H 5/04** (2013.01)

Cited by  
DE102010019475A1; EP2264393A1; ITTO20090458A1; DE102013107364A1; DE102013107364B4; WO2012087344A3; US10670375B1; EP2612102B1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 1517110 A1 20050323; EP 1517110 B1 20080102**; AT E382842 T1 20080115; DE 50308926 D1 20080214; DK 1517110 T3 20080519; ES 2299654 T3 20080601; WO 2005033615 A1 20050414

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**EP 03020528 A 20030916**; AT 03020528 T 20030916; DE 50308926 T 20030916; DK 03020528 T 20030916; EP 2004010341 W 20040915; ES 03020528 T 20030916