

Title (en)  
Penetrator

Title (de)  
Penetrator

Title (fr)  
Pénérateur

Publication  
**EP 1698852 A1 20060906 (DE)**

Application  
**EP 06004455 A 20060306**

Priority  
DE 102005009931 A 20050304

Abstract (en)  
The sections are separated from several centimeters from each other by a damping layer. A part of the explosive charge exists in the form of spheres of different size. Cavities between the spheres are present with a damping medium. The absorbing layer (4) or the damping medium consists of porous metal, pore containing plastic, rubber metal foam, ceramic foam or powder. The materials of the absorbing layer or the damping medium deviate from each other in its impedance (product of density and shock wave speed).

IPC 8 full level  
**C06B 45/02** (2006.01); **C06B 45/12** (2006.01); **F42B 12/20** (2006.01)

CPC (source: EP)  
**C06B 45/00** (2013.01); **F42B 12/04** (2013.01); **F42B 12/76** (2013.01); **F42B 12/80** (2013.01)

Citation (applicant)  
• DE 10025055 C2 20031224 - EADS DEUTSCHLAND GMBH [DE]  
• DE 10125226 C2 20031127 - TDW VERTEIDIGUNGSTECH WIRKSYS [DE]  
• US 5939662 A 19990817 - BOOTES THOMAS H [US], et al

Citation (search report)  
• [X] US 5054399 A 19911008 - BILEK ANDREW G [US], et al  
• [DX] DE 10125226 A1 20021205 - TDW GES FUER WEHRTECHNISCHE WI [DE]  
• [X] US 4615272 A 19861007 - AUBERT STEPHEN A [US]  
• [X] US 3992998 A 19761123 - CORDLE PAUL E, et al  
• [A] US 5852256 A 19981222 - HORNIG HOWARD C [US]  
• [A] EP 0718590 A1 19960626 - LORAL VUGHT SYSTEMS CORP [US]

Cited by  
CN102192690A; CN111879188A; US10132602B2; WO2015187232A1; WO2007048521A1

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DE FR GB

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