

Title (en)  
Anti-ballistic ceramic articles

Title (de)  
Antiballistische Keramikartikel

Title (fr)  
Articles céramiques anti-ballistiques

Publication  
**EP 1288607 A1 20030305 (EN)**

Application  
**EP 01203216 A 20010824**

Priority  
EP 01203216 A 20010824

Abstract (en)  
An antiballistic article (10) including a monolithic ceramic plate (12), an antiballistic backing material (14) affixed to the ceramic monolith (12), and an outer shell (16), formed of an antiballistic material including a curable resin, enclosing the backing (14) and ceramic monolith (12), the curable resin being cured after and while the enclosed backing (14) and ceramic monolith (12) are maintained under isostatic pressure of at least about 10 atmospheres, whereby the compression stresses and bonding mechanism serve to "arrest" the part after the external pressure is released, and a method of forming such an article (10). <IMAGE>

IPC 1-7  
**F41H 5/04**

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

CPC (source: EP)  
**F41H 5/0428** (2013.01)

Citation (applicant)  
• US 4613535 A 19860923 - HARPELL GARY A [US], et al  
• EP 0488465 A1 19920603 - DSM NV [NL]  
• US 4868040 A 19890919 - HALLAL ALFRED J [CA], et al  
• US 4760611 A 19880802 - HUET ROGER [FR], et al  
• US 5677029 A 19971014 - PREVORSEK DUSAN C [US], et al

Citation (search report)  
• [A] WO 9510751 A1 19950420 - ROSSIISKY FEDERALNY YADERNY TS [RU], et al  
• [A] US 5045371 A 19910903 - CALKINS NOEL C [US]  
• [A] US 5395686 A 19950307 - MARSHALL PETER J [AU], et al  
• [DA] US 4760611 A 19880802 - HUET ROGER [FR], et al  
• [A] FR 2635177 A1 19900209 - FRANCE ETAT ARMEMENT [FR]

Cited by  
US2012055327A1; EP1538417A1; CN102514283A; CN114621012A; CN102656418A; EP2491333A4; JP2018025388A; US9046324B2; US8113104B2; WO2011049819A3; US8887312B2; US9696122B2; US10139201B2; US10563961B2; US8215223B2; US7562612B2; KR101538318B1

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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