

Title (en)

COMPONENT COMPRISED OF A COMPOSITE MATERIAL CONTAINING A FORMABLE METALLIC MATERIAL AND METHOD FOR PRODUCING THE SAME

Title (de)

BAUTEIL AUS METALLSCHAUM ENTHALTENDEN VERBUNDWERKSTOFF UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

COMPOSANT EN MATIERE COMPOSITE CONTENANT UNE MOUSSE METALLIQUE ET SON PROCEDE DE PRODUCTION

Publication

**EP 1196259 B1 20021204 (DE)**

Application

**EP 00938562 A 20000518**

Priority

- DE 0001559 W 20000518
- DE 19923127 A 19990519

Abstract (en)

[origin: US6676896B1] The invention relates to a method of a composite material from superposed layers of solid and frothable metallic materials. The structural component consists of at least one layer of a solid metallic material and at least one layer of frothable metallic material. The structural component may be structured as a composite sheet or as a hollow body. The fabrication method of the structural component insures a good bond between the solid metallic layer and the frothable layer and that the frothable layer is securely attached to the solid metallic layer.

IPC 1-7

**B22F 3/11**; **B22F 7/00**

IPC 8 full level

**B22F 3/11** (2006.01); **B22F 7/00** (2006.01)

CPC (source: EP US)

**B22F 7/006** (2013.01 - EP US); **B22F 2003/1046** (2013.01 - EP US); **Y10S 428/94** (2013.01 - EP US); **Y10T 29/49616** (2015.01 - EP US); **Y10T 29/49622** (2015.01 - EP US); **Y10T 29/49789** (2015.01 - EP US); **Y10T 156/11** (2015.01 - EP US)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**US 6676896 B1 20040113**; AT E228907 T1 20021215; AU 5389600 A 20001212; CA 2374487 A1 20001130; DE 10024004 A1 20001123; DE 10024004 C2 20020606; DE 50000892 D1 20030116; EP 1196259 A1 20020417; EP 1196259 B1 20021204; WO 0071285 A1 20001130

DOCDB simple family (application)

**US 970801 A 20011119**; AT 00938562 T 20000518; AU 5389600 A 20000518; CA 2374487 A 20000518; DE 0001559 W 20000518; DE 10024004 A 20000518; DE 50000892 T 20000518; EP 00938562 A 20000518