

Title (en)

Process for manufacturing metallic composite material with foamed core

Title (de)

Verfahren zur Herstellung eines metallischen Verbundwerkstoffs mit geschäumtem Kern

Title (fr)

Procédé pour la fabrication d'un matériau composite contenant un noyau expansé

Publication

**EP 0997215 A3 20001122 (DE)**

Application

**EP 99121390 A 19991027**

Priority

DE 19849600 A 19981028

Abstract (en)

[origin: EP0997215A2] Production of covering layers made of solid material and a core made of a mixture of metal powder and propellant powder comprises forming the covering layers with the mixture under pressure into a composite by feeding the layers through a pressure device and filling the mixture between the covering layers and then pressing.

IPC 1-7

**B22F 3/11**; **B22F 7/04**

IPC 8 full level

**B22F 3/11** (2006.01); **B22F 7/00** (2006.01); **B22F 7/04** (2006.01)

CPC (source: EP)

**B22F 7/006** (2013.01); **B22F 7/04** (2013.01); **B22F 2998/00** (2013.01)

C-Set (source: EP)

**B22F 2998/00** + **B22F 3/18**

Citation (search report)

- [X] US 5564064 A 19961008 - MARTIN RICKY L [US]
- [DX] DE 4124591 C1 19930211
- [A] FR 1347062 A 19631227 - YAWATA IRON & STEEL CO

Cited by

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