

Title (en)  
METHOD FOR MAKING LIGHT ALLOY COMPONENTS

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON LEICHTMETALLLEGIERUNGSKOMPONENTEN

Title (fr)  
PROCEDE POUR FABRIQUER DES PIECES EN ALLIAGE LEGER

Publication  
**EP 1250204 B1 20030730 (FR)**

Application  
**EP 00993697 A 20001227**

Priority  
• FR 0003703 W 20001227  
• FR 9916831 A 19991229

Abstract (en)  
[origin: US2002166357A1] The invention concerns a method for making alloy components characterised in that after casting the preform (2) and before transferring it into a forging matrix (5), said preform, still hot at the end of casting, is transferred and completely immersed in a vessel (3) for graphitization coating, then, on coming out of the vessel, the preform temperature enabling the water to be evaporated so that the preform is homogeneously coated with graphite.

IPC 1-7  
**B22D 31/00**; **B21J 5/00**; **B21J 3/00**

IPC 8 full level  
**B22D 29/00** (2006.01); **B21J 1/06** (2006.01); **B21J 3/00** (2006.01); **B21J 5/00** (2006.01); **B21J 5/02** (2006.01); **B22D 30/00** (2006.01); **B22D 31/00** (2006.01); **C22F 1/04** (2006.01)

CPC (source: EP KR US)  
**B21J 1/06** (2013.01 - EP US); **B21J 5/00** (2013.01 - KR); **B21J 5/002** (2013.01 - EP US); **B21J 5/02** (2013.01 - EP US); **B22D 31/002** (2013.01 - EP US); **C22F 1/04** (2013.01 - EP US)

Cited by  
EP2164999A1; WO2011124836A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**US 2002166357 A1 20021114**; AT E246063 T1 20030815; AU 2860501 A 20010716; AU 771366 B2 20040318; CA 2396043 A1 20010712; CA 2396043 C 20090421; CN 1221348 C 20051005; CN 1414890 A 20030430; DE 60004271 D1 20030904; DE 60004271 T2 20040422; EP 1250204 A1 20021023; EP 1250204 B1 20030730; ES 2204753 T3 20040501; FR 2803232 A1 20010706; FR 2803232 B1 20020426; JP 2003527966 A 20030924; JP 5025870 B2 20120912; KR 100730711 B1 20070621; KR 20020086877 A 20021120; WO 0149435 A1 20010712

DOCDB simple family (application)  
**US 18087802 A 20020626**; AT 00993697 T 20001227; AU 2860501 A 20001227; CA 2396043 A 20001227; CN 00817838 A 20001227; DE 60004271 T 20001227; EP 00993697 A 20001227; ES 00993697 T 20001227; FR 0003703 W 20001227; FR 9916831 A 19991229; JP 2001549791 A 20001227; KR 20027008421 A 20020628