

Title (en)
COMPOSITE CASTING AND METHOD FOR THE PRODUCTION THEREOF

Title (de)
VERBUNDGUSSTEIL UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)
PIECE MOULEE COMPOSITE ET SON PROCEDE DE FABRICATION

Publication
EP 1135226 B1 20030305 (DE)

Application
EP 99964403 A 19991203

Priority
• DE 9903886 W 19991203
• DE 19855841 A 19981203

Abstract (en)
[origin: WO0032335A1] The invention relates to a composite casting (1) in which a stabile connection between the matrix (4) and the insert (2) is ensured. The insert (2) comprises, at least in part, a porous open-porous sponge structure. The matrix material has a melting temperature which is up to 200 DEG C higher than that of the material of the insert (2). The connecting elements of the insert (2) thus do not completely melt when the matrix material is poured into the sponge structure if the matrix material constitutes up to 97 volume % in the area of the sponge structure.

IPC 1-7
B22D 19/02

IPC 8 full level
B22D 19/00 (2006.01); **B22D 19/02** (2006.01); **B22D 19/14** (2006.01)

CPC (source: EP)
B22D 19/02 (2013.01); **B22D 19/14** (2013.01)

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)
WO 0032335 A1 20000608; AT E233626 T1 20030315; AU 3030700 A 20000619; DE 19982528 D2 20011108; DE 59904491 D1 20030410; EP 1135226 A1 20010926; EP 1135226 B1 20030305; JP 2002531270 A 20020924

DOCDB simple family (application)
DE 9903886 W 19991203; AT 99964403 T 19991203; AU 3030700 A 19991203; DE 19982528 T 19991203; DE 59904491 T 19991203; EP 99964403 A 19991203; JP 2000585014 A 19991203