

Title (en)

CASTING TOOL FOR CASTING SHAPES FROM NON-FERROUS METALS

Title (de)

GIESSWERKZEUG FÜR DAS GIESSEN VON FORMTEILEN AUS NICHT-EISENMETALLEN

Title (fr)

OUTIL DE FONDERIE POUR LA COULEE DE PIECES MOULEES EN METAUX NON FERREUX

Publication

EP 1105236 B1 20020619 (DE)

Application

EP 99946021 A 19990825

Priority

- DE 19838561 A 19980825
- EP 9906233 W 19990825

Abstract (en)

[origin: WO0010752A1] Shapes cast from non-ferrous metals, such as the light metals aluminium or magnesium, can present paintability or weldability problems if the casting tools, e.g., the mould, consist of iron. According to the invention, the casting tools, e.g., the mould, are therefore either produced from a heavy-metal alloy such as a wolfram alloy or coated with said alloy on the contact surface up to the shape. In particular, the heavy metal alloy is in the form of a sintered shape which is subsequently treated on the contact surface, especially mechanically treated, particularly by cutting.

IPC 1-7

B22D 17/22

IPC 8 full level

B22C 9/06 (2006.01); **B22D 15/04** (2006.01); **B22D 17/22** (2006.01); **C22C 27/04** (2006.01)

CPC (source: EP)

B22C 9/061 (2013.01); **B22D 15/04** (2013.01); **B22D 17/2209** (2013.01); **C22C 27/04** (2013.01)

Cited by

CN107088739A

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 0010752 A1 20000302; AT E219400 T1 20020715; DE 19838561 A1 20000302; DE 59901818 D1 20020725; EP 1105236 A1 20010613; EP 1105236 B1 20020619; ES 2178471 T3 20021216; PL 191290 B1 20060428; PL 346151 A1 20020128

DOCDB simple family (application)

EP 9906233 W 19990825; AT 99946021 T 19990825; DE 19838561 A 19980825; DE 59901818 T 19990825; EP 99946021 A 19990825; ES 99946021 T 19990825; PL 34615199 A 19990825