

Title (en)

Process for manufacturing a casting consisting of at least two different metallic materials

Title (de)

Verfahren zur Herstellung eines aus wenigstens zwei unterschiedlichen Metallwerkstoffen gebildeten Gusswerkstücks

Title (fr)

Procédé de fabrication d'une pièce coulée constituée d'au moins deux matériaux métalliques différents

Publication

**EP 1226889 A3 20030122 (DE)**

Application

**EP 02000907 A 20020116**

Priority

DE 10103596 A 20010126

Abstract (en)

[origin: EP1226889A2] In a metal casting process to manufacture an item using two different metals, a first molten metal is cast into a first form and cooled. Part of the casting surface has especially a roughened surface created by an insert. The first cast component is then inserted into a second larger form and the second charge of molten metal introduced around the first casting.

IPC 1-7

**B22D 19/00**

IPC 8 full level

**B22D 19/00** (2006.01)

CPC (source: EP)

**B22D 19/0009** (2013.01)

Citation (search report)

- [PX] EP 1110644 A1 20010627 - TEIPI INDUSTRY CO LTD [JP], et al
- [X] CH 366636 A 19630115 - NAT LEAD CO [US]
- [X] DE 19750687 A1 19990520 - KS ALUMINIUM TECHNOLOGIE AG [DE]
- [X] DE 3205952 A1 19830331 - WIZEMANN GMBH U CO J [DE]
- [X] DE 19857390 C1 20000406 - DAIMLER CHRYSLER AG [DE]
- [PX] DE 19958185 A1 20010607 - MAHLE VENTILTRIEB GMBH [DE]
- [PX] DE 10009135 A1 20010830 - VOLKSWAGEN AG [DE]
- [A] DE 19807685 A1 19990909 - DAIMLER CHRYSLER AG [DE]
- [A] DE 19807688 A1 19990909 - DAIMLER CHRYSLER AG [DE]
- [A] DE 19859098 C1 20000302 - EBERLEIN WOLFGANG [DE]
- [A] DE 19537847 A1 19970417 - MAHLE GMBH [DE]

Cited by

EP1398492A1; DE102005019961A1; US6957489B2; US6925981B2; WO03000447A3

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)

**EP 1226889 A2 20020731; EP 1226889 A3 20030122;** DE 10103596 A1 20020801

DOCDB simple family (application)

**EP 02000907 A 20020116;** DE 10103596 A 20010126