

Title (en)
Casting mould

Title (de)
Giessform

Title (fr)
Moule

Publication
EP 2108471 A2 20091014 (DE)

Application
EP 09004310 A 20090326

Priority
DE 102008017432 A 20080403

Abstract (en)
The mold made of copper/copper alloy, comprises a peripheral casting throttle, which is limited on a partial length outward of a circulating steel strip, and an insoluble multi-layer coating connected with the surface of the casting throttle. The coating is applied by thermal injection process, has surface roughness of greater than $1 \mu\text{m}$, the maximum heat conductivity of less than 50 W/(m.K) and a layer thickness of $0.2\text{-}0.3 \text{ mm}$, and consists of a metallic, partially-ceramic or ceramic material. The multi-layer coating is formed from layers of different materials.

Abstract (de)
Die Gießform zur Herstellung von Strängen aus Nichteisenmetall weist eine umfangsseitige Gießkehle aus Metall auf, die auf einer Teillänge nach außen von einem umlaufenden Stahlband begrenzt ist. Auf die Oberfläche der Gießkehle ist eine Beschichtung aufgebracht, deren Wärmeleitfähigkeit $< 90 \text{ W/(m.K)}$ ist.

IPC 8 full level
B22D 11/06 (2006.01)

CPC (source: EP)
B22D 11/0602 (2013.01); **B22D 11/0651** (2013.01); **B22D 11/0668** (2013.01); **C23C 28/321** (2013.01); **C23C 28/3215** (2013.01); **C23C 28/341** (2013.01); **C23C 28/345** (2013.01); **C23C 28/3455** (2013.01); **C23C 30/00** (2013.01)

Citation (applicant)
DE 2854311 C3 19820218

Citation (examination)

- EP 1555074 A1 20050720 - KM EUROPA METAL AG [DE]
- DE 10252505 A1 20040527 - KM EUROPA METAL AG [DE]
- EP 0265174 A2 19880427 - UNION CARBIDE CORP [US]
- EP 0774525 A1 19970521 - NGK INSULATORS LTD [JP]
- US 2008093047 A1 20080424 - MA XINQING [US], et al

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
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