

Title (en)

Mould for manufacturing a metallic piece, utilization of this mould and method for correspondent moulding.

Title (de)

Form für die Herstellung eines metallischen Gegenstandes, Gebrauch dieser Form und Verfahren zur entsprechenden Formherstellung.

Title (fr)

Moule pour la fabrication d'une pièce métallique, utilisation de ce moule et procédé de moulage correspondant.

Publication

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Application

EP 89401144 A 19890421

Priority

FR 8808541 A 19880624

Abstract (en)

The mould comprises a hollow metallic frame (3) containing moulding sand (5) delimiting the impression (6, 6') of the piece and at least one cooler (10) made of a metallic material arranged in the moulding sand (5) and flush with the surface of the impression (6, 6') over a part of this impression corresponding to the hardened zone of the piece. The cooler (10) is integral with the frame (3). Preferably, the cooler (10) is removably fixed on the frame (3). The invention is applied in particular to the casting of camshafts for motor vehicles. <IMAGE>

IPC 1-7

B22D 27/04

IPC 8 full level

B22D 27/04 (2006.01)

CPC (source: EP)

B22D 27/04 (2013.01)

Citation (search report)

- [A] DE 2646060 A1 19780420 - KAHN FRIEDHELM PROF DR ING
- [A] WO 8200786 A1 19820318 - FISCHER GMBH G [DE], et al
- [A] US 4033401 A 19770705 - WLODAWER ROBERT

Cited by

GB2292899A; GB2292899B

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EP 0348248 A1 19891227; EP 0348248 B1 19920701; DE 68901957 D1 19920806; DE 68901957 T2 19921210; ES 2033535 T3 19930316; FR 2633206 A1 19891229; FR 2633206 B1 19901012

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