Title (en)

Process, mould and device for low pressure metal casting.

Title (de)

Verfahren, Giessform und Vorrichtung zum Niederdruckgiessen von Metallen.

Title (fr)

Procédé, moule et installation de coulée de métal sous basse pression.

Publication

EP 0463909 A1 19920102 (FR)

Application

EP 91401542 A 19910611

Priority

FR 9007861 A 19900622

Abstract (en)

In this mould, the sum of the areas of the cross-sections of the runners (30) in service is, at at least one casting instant, greater than the area of the cross-section of the casting pool (28), or at least of the same order as this area. This makes it possible to slow down the metal during its passage in the runners and thus to obtain non-turbulent filling of the impressions. <??>Application to the multi-stage moulding of thin-wall castings. <IMAGE>

Abstract (fr)

Dans ce moule, la somme des aires des sections des attaques (30) en service est, à au moins un moment de la coulée, supérieure à l'aire de la section du puits de coulée (28), ou au moins du même ordre que cette aire. Ceci permet de ralentir le métal pendant son passage dans les attaques, et donc d'obtenir un remplissage calme des empreintes. Application au moulage multi-étages de pièces de fonderie à paroi mince. <IMAGE>

IPC 1-7

B22C 9/08; B22C 9/20; B22D 18/04

IPC 8 full level

B22C 9/02 (2006.01); **B22C 9/08** (2006.01); **B22C 9/20** (2006.01); **B22D 18/04** (2006.01)

CPC (source: EP US)

B22C 9/08 (2013.01 - EP US); **B22C 9/20** (2013.01 - EP US); **B22D 18/04** (2013.01 - EP US)

Citation (search report)
- [YD] FR 2295808 A1 19760723 - PONT A MOUSSON [FR]
- [Y] US 2940142 A 19600614 - WELLS MILTON K, et al
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Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

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EP 0463909 A1 19920102; **EP 0463909 B1 19950308**; AT E119443 T1 19950315; BR 9102618 A 19920121; CA 2044881 A1 19911223; CA 2044881 C 19951031; CS 188291 A3 19920617; DE 69107910 D1 19950413; DE 69107910 T2 19950629; DK 0463909 T3 19950710; ES 2072566 T3 19950716; FI 913010 A0 19910619; FI 913010 A 19911223; FI 96098 B 19960131; FI 96098 C 19960510; FR 2663571 A1 19911227; FR 2663571 B1 19941125; HU 206844 B 19930128; HU 912031 D0 19911230; HU T58010 A 19920128; JP H04231144 A 19920820; JP H0780035 B2 19950830; MX 173386 B 19940224; NO 179065 B 19960422; NO 179065 C 19960731; NO 912404 D0 19910620; NO 912404 L 19911223; PL 168031 B1 19951230; PL 290756 A1 19920224; RU 2044600 C1 19950927; US 5217058 A 19930608

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EP 91401542 A 19910611; AT 91401542 T 19910611; BR 9102618 A 19910621; CA 2044881 A 19910618; CS 188291 A 19910619; DE 69107910 T 19910611; DK 91401542 T 19910611; ES 91401542 T 19910611; FI 913010 A 19910619; FR 9007861 A 19900622; HU 203191 A 19910618; JP 15056291 A 19910621; MX 2634791 A 19910621; NO 912404 A 19910620; PL 29075691 A 19910620; SU 4895652 A 19910620; US 71812291 A 19910620