

Title (en)

Mould for producing thin-wall castings by gravity pouring.

Title (de)

Giessform zur Herstellung von dünnwandigen Gussstücken durch Schwerkraftgiessen.

Title (fr)

Moule pour articles à paroi mince coulés par gravité.

Publication

EP 0572058 A1 19931201 (EN)

Application

EP 93201284 A 19930506

Priority

US 88301892 A 19920514

Abstract (en)

A mould design practice is disclosed for the gravity casting of thin-walled tubes and hollow ducts in resin-bonded sand. In accordance with the mould design, a molten metal is poured through a vertical sprue (18) into a horizontal chamber reservoir (46) underlying a mould cavity (22) defining the thin-wall structure. The thin-wall cavity portion of the mould (10) is positioned about a common horizontal level above the reservoir (46). Vertical runners (48) feed the molten metal from the horizontal reservoir (46) up into the mould cavity (22). The number and location of these runners (48) are such as to fill the mould cavity (22) from several points of entry with uniform temperature molten metal before any solidification of the metal occurs. <IMAGE>

IPC 1-7

B22C 9/08

IPC 8 full level

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CPC (source: EP)

B22C 9/08 (2013.01)

Citation (search report)

- [AD] US 4989665 A 19910205 - YAMAGIWA TOSHIO [JP], et al
- [A] DATABASE WPI Section Ch, Week 8515, 22 May 1985 Derwent Publications Ltd., London, GB; Class M22, AN 85-091410/15 & SU-A-1 113 206 (AS UKR CASTING PROBLEMS) 15 September 1984

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CN102672107A; CN118162587A; CN103506606A; CN113680958A; CN110666106A; EP1375029A3; CN118404035A; US8763677B2; EP3294476B1; EP3294476B2

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