

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 B1 19970820 (EN)

Application

EP 93201284 A 19930506

Priority

US 88301892 A 19920514

Abstract (en)

[origin: EP0572058A1] 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)

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Cited by

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

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