Title (en)

IMPROVEMENTS IN THE PRODUCTION OF CASTINGS

Publication

EP 0317315 A3 19900627 (EN)

Application

EP 88310864 A 19881117

Priority

GB 8726967 A 19871118

Abstract (en)

[origin: EP0317315A2] A method for making casting moulds (18) which are formed by machining away the mould cavity from a block (2) of moulding material instead of ramming casting material around patterns. The gating system including runners and risers may also be machined out of the solid block. The mould cavity can be produced in an appropriate shape in a moulding box including a number of adjustable rods (R) to reduce the amount of material to be machined out of the block. A multi-axis machining centre (12, 13) is incorporated in a casting plant and programmed to produce the required moulding cavities, including re-entrant cavities (34, 35, 36, 37). The gating system is machined into the block in any convenient position, not necessarily on the mould parting line. A plant incorporting the method of making casting moulds includes the machining out of mould cavities the metal filling of the cavities, the positioning of blocks adjacent to each other on a conveyor system and automatic removal of the runners and risers while the moulding blocks are in position on the conveyor.

IPC 1-7

B22D 47/02; B22C 9/00

IPC 8 full level

B22C 9/00 (2006.01); **B22C 25/00** (2006.01)

CPC (source: EP)

B22C 9/00 (2013.01); **B22C 25/00** (2013.01)

Citation (search report)
- [X] US 4104347 A 19780801 - OHASHI YOSHINOBU, et al
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