

Title (en)
INSTALLATION FOR CARRYING OUT A FULL-MOULD CASTING PROCESS

Publication
EP 0166228 B1 19880817 (DE)

Application
EP 85106440 A 19850524

Priority
DE 3423199 A 19840622

Abstract (en)
[origin: EP0166228A2] 1. An apparatus for carrying out the full-mould casting process having a plurality of moulding boxes (6), in which patterns (28) which can be gasified under the action of poured-in melt are surrounded by granular moulding material (13), which is loosened by compressed air during the moulding of the patterns and during the demoulding of the castings and is hardened under vacuum during the casting process, each mould cavity (12) of the moulding boxes (6) being connected to chambers for the gaseous working media by means of partition walls at least partially limiting said cavity, and in which the moulding boxes (6) can be moved by a circulating, intermittently controlled means of transport to several work-stations forming a closed work system, characterized in that the moulding boxes (6) are connected fixedly to the means of transport (1) and each moulding box has a plurality of mutually independent gaspermeable partition walls (15, 33, 36) with chambers (16, 32, 37) lying therebehind in each case, via which compressed air and vacuum are applied separately to the mould cavity (12) at correspondingly designed work-stations (A to J).

IPC 1-7
B22C 7/02; B22C 9/04

IPC 8 full level
B22C 7/02 (2006.01); **B22C 9/04** (2006.01); **B22C 11/04** (2006.01); **B22C 21/01** (2006.01); **B22D 47/02** (2006.01)

CPC (source: EP)
B22C 9/046 (2013.01); **B22C 11/04** (2013.01); **B22C 21/01** (2013.01); **B22D 47/02** (2013.01)

Cited by
EP0297761A3; US5725044A; EP0281752A3; EP0394121A1; FR2645778A1; CN102078916A

Designated contracting state (EPC)
AT CH DE FR GB IT LI

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