

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

DOCDB simple family (publication)  
**EP 0166228 A2 19860102; EP 0166228 A3 19860917; EP 0166228 B1 19880817**; AT E36476 T1 19880915; DE 3423199 C1 19850221; DE 3564389 D1 19880922; JP S6114046 A 19860122

DOCDB simple family (application)  
**EP 85106440 A 19850524**; AT 85106440 T 19850524; DE 3423199 A 19840622; DE 3564389 T 19850524; JP 13527885 A 19850622