

Title (en)  
APPARATUS AND PROCESS FOR LOW-PRESSURE CASTING

Publication  
**EP 0055210 B1 19850213 (DE)**

Application  
**EP 81810421 A 19811026**

Priority  
CH 949580 A 19801223

Abstract (en)  
[origin: ES8300539A1] With low-pressure or die-casting methods there frequently occur leaks during the transfer of the molten metal from the metal containing basin or vessel to the mold. These leaks often lead to serious accidents and related operating interruptions. According to the invention these problems are solved by a casting method, wherein all movements of the mold occur in a vertical plane. With a preferred embodiment of apparatus for the performance of the method the mold is placed in a positive or form-locking manner with its casting or pour opening upon the casting hole of the metal containing vessel or basin and pressed against the latter in a fluidtight fashion by means of a pneumatic lifting cylinder. This affords the advantage of a simple connection of the mold with the basin and without requiring a coupling mechanism, and, additionally, the heating of the riser or up tube and/or immersion tube can be omitted, which otherwise conventionally was performed by gas heating.

IPC 1-7  
**B22D 18/04**; **B22D 47/00**

IPC 8 full level  
**B22D 18/04** (2006.01); **B22D 33/00** (2006.01); **B22D 47/00** (2006.01)

CPC (source: EP US)  
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Cited by  
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