

Title (en)

METHOD OF MAKING PRECISION CASTINGS BY USING THE PLASTER MOULDING PROCESS

Publication

EP 0124801 B1 19910605 (DE)

Application

EP 84104215 A 19840413

Priority

DE 3316571 A 19830506

Abstract (en)

[origin: US4541471A] Process for the production of casting parts with well-defined reproduction of detail and a great accuracy of measurement using the gypsum-form process. The pattern to be copied is equipped with a drainage apparatus, having at least one channel extending outside the molding box, and the molding material is poured into the mold and solidified. After the pattern is removed from the solidified mold by the introduction of compressed gas, the water of the solidified material is removed from, and after drying the mold is connected to a vacuum line and evacuated. The molten mass is then poured into the mold while the vacuum is maintained and solidified.

IPC 1-7

B22C 9/00; **B22C 9/12**; **B22D 27/15**

IPC 8 full level

B22C 9/00 (2006.01); **B22C 9/12** (2006.01); **B22D 27/15** (2006.01)

CPC (source: EP US)

B22C 9/00 (2013.01 - EP US); **B22C 9/12** (2013.01 - EP US); **B22D 27/15** (2013.01 - EP US)

Cited by

DE3832370A1; EP0467025A3; EP0203333A3; DE3519367A1; US4749431A

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0124801 A2 19841114; **EP 0124801 A3 19880323**; **EP 0124801 B1 19910605**; AT E64114 T1 19910615; DE 3316571 A1 19841108; DE 3316571 C2 19850822; DE 3484663 D1 19910711; US 4541471 A 19850917

DOCDB simple family (application)

EP 84104215 A 19840413; AT 84104215 T 19840413; DE 3316571 A 19830506; DE 3484663 T 19840413; US 60804684 A 19840507