

Title (en)
Method and device for manufacturing of component parts

Title (de)
Verfahren und Vorrichtung zur Erzeugung von Bauteilen

Title (fr)
Procédé et dispositif pour la fabrication de pièces de construction

Publication
EP 0535421 B1 19970312 (DE)

Application
EP 92115545 A 19920911

Priority
DE 4132732 A 19911001

Abstract (en)
[origin: EP0535421A1] The invention relates to a method and devices for manufacturing component parts, in which molten metal is introduced into a mould cavity (1) formed by at least two mould halves (3, 4) and solidified under pressure. To create monitorable and controllable production conditions for optimisation of the product properties, it is envisaged, according to the invention, that the material to be liquefied, for example in the form of solid billets (11), be introduced into filling chambers (6) connected directly to the mould cavity (1) via large cross-sections (5) of flow with the aid of press plungers (7), melted, pushed further into the mould cavity (1), in a compact flow, with the aid of the press plungers (7) and, after complete closure of the mould cavity (1), made to solidify under pressure in the cavity. <IMAGE>

IPC 1-7
B22D 17/12

IPC 8 full level
B22D 17/12 (2006.01); **B22D 17/30** (2006.01)

CPC (source: EP)
B22D 17/12 (2013.01); **B22D 17/30** (2013.01)

Cited by
AU784737B2; EP1275451A3; DE102004008157A1; DE102007062436B4; US6923244B2; DE102007062436A1; WO2017070723A1

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

DOCDB simple family (publication)
EP 0535421 A1 19930407; EP 0535421 B1 19970312; AT E149894 T1 19970315; DE 4132732 A1 19930408; DE 59208164 D1 19970417; ES 2099777 T3 19970601

DOCDB simple family (application)
EP 92115545 A 19920911; AT 92115545 T 19920911; DE 4132732 A 19911001; DE 59208164 T 19920911; ES 92115545 T 19920911