

Title (en)

METHOD AND MACHINE FOR COMPACTING FOUNDRY SAND

Publication

EP 0326870 B1 19920520 (DE)

Application

EP 89100932 A 19890120

Priority

CH 39688 A 19880204

Abstract (en)

[origin: EP0326870A1] With this method and the machine for carrying out the method, it is possible to achieve optimum compaction of foundry sand (24) for the production of castings, both as regards the hardness of the mould and as regards gas permeability. Matched to the respective foundry sand quality established by means of a standard test piece using the Brinell ball impression method, flexible settings for a plurality of vibratory pressing phases are possible, in which a plurality of pressing surfaces, such as a frame of a press housing (12), a top plate (13), and a plurality of press rams (14) can be used individually or in groups, simultaneously or in succession with adjustable pressing forces. In addition, unbalance motors (9) of a vibration unit are connected to a continuously adjustable frequency converter so that the vibrations required for the corresponding vibratory pressing phase can be set. <IMAGE>

IPC 1-7

B22C 15/30

IPC 8 full level

B22C 15/30 (2006.01)

CPC (source: EP)

B22C 15/30 (2013.01)

Cited by

CN108856656A; AU2015215266B2; CN108500218A; CN110744015A; CN100464896C; CN115871081A; CN109175266A; WO2015117750A1; WO2005056279A1

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI SE

DOCDB simple family (publication)

EP 0326870 A1 19890809; EP 0326870 B1 19920520; AT E76341 T1 19920615; DE 58901439 D1 19920625; ES 2033024 T3 19930301

DOCDB simple family (application)

EP 89100932 A 19890120; AT 89100932 T 19890120; DE 58901439 T 19890120; ES 89100932 T 19890120