

Title (en)

METHOD OF AND INSTALLATION FOR COMPACTING GRANULAR MOULDING MATERIALS, FOR EXAMPLE FOUNDRY MOULD SAND

Publication

EP 0139119 B1 19880921 (DE)

Application

EP 84108988 A 19840728

Priority

DE 3327822 A 19830802

Abstract (en)

[origin: EP0139119A1] 1. A process for compressing granular moulding material such as foundry moulding sand by means of a pressure wave of gaseous medium such as compressed air acting at high speed on the surface of the loose moulding material, with the compression medium emerging uniformly from Laval-type nozzles that are arranged close together in a raster system in a bottom plate (54) over the entire surface of the moulding material (50), characterized in that the single air jets burst open at the nozzle outlet so that the air jets emerging close to each other intermingle and impinge vertically as well as uniformly at all points as a pressure wave on the surface (50) of the loose moulding material.

IPC 1-7

B22C 9/00; **B22C 15/00**; **B22C 15/22**

IPC 8 full level

B22C 9/00 (2006.01); **B22C 15/00** (2006.01); **B22C 15/28** (2006.01)

CPC (source: EP)

B22C 15/00 (2013.01); **B22C 15/28** (2013.01)

Cited by

EP0195864A3; EP0995522A1; EP0427123A3

Designated contracting state (EPC)

AT CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0139119 A1 19850502; **EP 0139119 B1 19880921**; **EP 0139119 B2 19961113**; AT E37305 T1 19881015; DE 3327822 A1 19850214; DE 3474117 D1 19881027

DOCDB simple family (application)

EP 84108988 A 19840728; AT 84108988 T 19840728; DE 3327822 A 19830802; DE 3474117 T 19840728