

Title (en)  
DEVICE FOR COMPACTING MOULDING SAND

Publication  
**EP 0263977 A3 19890823 (DE)**

Application  
**EP 87113236 A 19870910**

Priority  
DE 3634767 A 19861011

Abstract (en)  
[origin: EP0263977A2] A device for compacting moulding sand in a moulding box which is placed on a pattern plate provided with vent holes, has a contact pressure device sliding in a chamber which is open on one side and made to match the moulding box. The height of the contact pressure device inside the chamber can be adjusted and it can be mounted on the moulding box or a filling frame placed on top of the moulding box so that it is pressure-tight. Via the compressed gas connection, compressed gas can be applied to the moulding sand through apertures in the contact pressure device. In order to achieve optimum pre- compacting of the moulding sand by the compressed air as well as optimum after-compression by mechanical pressing of the sand, the device has a pressing device (1) consisting of a number of adjacent and separately sliding plungers (6). Apertures (8) are provided between the adjacent plungers (6) for the passage of compressed gas (Fig. 1). <IMAGE>

IPC 1-7  
**B22C 15/28**

IPC 8 full level  
**B22C 15/28** (2006.01)

CPC (source: EP)  
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• [A] PATENT ABSTRACTS OF JAPAN, Band 9, Nr. 326 (M-441)[2049], 21. Dezember 1985; & JP-A-60 158 949 (MITSUBISHI JUKOGYO K.K.) 20-08-1985

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