

Title (en)
PROCESS AND DEVICE FOR MANUFACTURING FOUNDRY MOLDS

Publication
EP 0488068 A3 19930901 (DE)

Application
EP 91119928 A 19911122

Priority
DE 4038173 A 19901130

Abstract (en)
[origin: EP0488068A2] In a process for manufacturing foundry moulds from free-flowing moulding material, in particular foundry sand, which is contained in a filling container and is moved by means of the latter into a moulding station and there transferred into the moulding box, good quality of the mould, particularly in the region close to the pattern, is achieved by virtue of the fact that at least some of the moulding material in the filling container is screened prior to or during the transfer to the moulding box and is transferred to the moulding box as undersize while the remaining, unclassified quantity is used for filling up the moulding box. A device for carrying out the process is distinguished by the fact that the filling container has a screen which holds back the moulding material and a device for setting the moulding material in motion and that the screen can be moved into a position for transfer of the screening residue to the moulding box.

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B22C 15/00; **B22C 5/12**

IPC 8 full level
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CPC (source: EP)
B22C 5/12 (2013.01); **B22C 15/00** (2013.01)

Citation (search report)
• [A] CH 665787 A5 19880615 - FISCHER AG GEORG
• [A] FR 1573548 A 19690704
• [A] MODERN CASTING Bd. 69, Nr. 11, November 1979, DES PLAINES, ILLINOIS, USA Seiten 111 - 114 DUMBAUGH 'Flow of Foundry Sands from Storage Bins'

Designated contracting state (EPC)
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EP 0488068 A2 19920603; **EP 0488068 A3 19930901**; **EP 0488068 B1 19970212**; DE 4038173 A1 19920604; DE 59108542 D1 19970327; ES 2098302 T3 19970501; JP 3255951 B2 20020212; JP H05177301 A 19930720

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