

Title (en)  
FOUNDRY MOULD PLANT

Publication  
**EP 0112470 B1 19870128 (DE)**

Application  
**EP 83111015 A 19831104**

Priority  
DE 3241288 A 19821109

Abstract (en)  
[origin: EP0112470A1] 1. Foundry moulding equipment with a moulding machine (1) in which are alternately produced the upper box (11) and lower box (10) of a box mould, a rectangular path incorporating the moulding machine (1) having a reversing station (15) for the moulded lower box (10), a core insertion section (7), a manipulating station (19) for the moulded upper box (11) and lower box (10), a pushing out station (33, 34) for the complete mould (40) and a separating station (45) from which the empty lower mould box (10) and upper box (11) are successively supplied to the moulding machine (1) and with a casting (24) and cooling section (29), characterized in that on one head side of the moulding equipment which is formed by a narrow side (2) of the rectangular path are provided moulding machine (1) and reversing station (15), a longer portion of the rectangular path forming one longitudinal side thereof vertically following in the feed direction (12) and having the core insertion section (17), manipulating station (19) and casting section (24), whilst the longer section of the rectangular path parallel thereto and forming the other longitudinal side thereof is constructed as a cooling section (29) and is returned to the pushing out station (33, 34) close to moulding machine (1) and from where the moulds (40) pass onto a further cooling section (35, 36) with an opposite feed direction (41) located directly along side said cooling section (29), whilst the empty moulding box with once again an opposite feed direction passes across separating station (45) to moulding machine (1).

IPC 1-7  
**B22C 25/00**; **B22D 33/00**; **B22D 47/00**; **B22D 47/02**

IPC 8 full level  
**B22C 25/00** (2006.01); **B22D 33/00** (2006.01); **B22D 47/00** (2006.01); **B22D 47/02** (2006.01)

CPC (source: EP)  
**B22C 25/00** (2013.01)

Cited by  
EP0582855A1; CN103418756A; CN106734963A; CN105903947A; EP0345509A3; EP0195937A3

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DOCDB simple family (publication)  
**DE 3241288 A1 19840510**; DE 3369473 D1 19870305; EP 0112470 A1 19840704; EP 0112470 B1 19870128

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