

Title (en)  
Automatic sand box moulding machine.

Title (de)  
Automatische Sandformmaschine.

Title (fr)  
Machine à moulage en sable automatique.

Publication  
**EP 0100161 A1 19840208 (EN)**

Application  
**EP 83303873 A 19830704**

Priority  

- ES 513735 A 19820705
- ES 514782 A 19820805
- ES 523633 A 19830628

Abstract (en)  
An automatic sand box moulding machine has a framework (1) with a hopper (2) to feed sand to a frame (3) and a moulding box (4). The frame and moulding box are movable towards the top of the framework by a plunger (15). Between the frame (3) and box (4) can be placed a rack-support (11) having a flexible chamber full of fluid, constituting a counter mould. Around the hopper (2) is a compressed air tank (13) connected to an injector unit (10) to perform a first compacting of the sand in the moulding box. The final compacting is carried out by raising the plunger whereby the counter mould presses on the sand. The compressed air tank (13) can be connected to the frame (3) through telescoping members (17), and the first and second compacting operations may also be carried out by means of a single-block body (25) having an upper injection chamber and a lower rack-bracket (26), interconnected by holes (28).

IPC 1-7  
**B22C 15/08**; **B22C 15/22**; **B22C 15/24**

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

CPC (source: EP)  
**B22C 15/28** (2013.01)

Citation (search report)  

- [A] DE 2930874 A1 19800911 - SINTOKOGIO LTD
- [A] DE 3002702 A1 19810730 - WAGNER & CO ALFELDER MASCH [DE]
- [A] DE 2842912 A1 19800410 - WAGNER & CO ALFELDER MASCH
- [A] DE 1248238 B 19670824 - OSBORN MFG CO

Cited by  
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Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI NL SE

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