

Title (en)

A machine manufacturing pistons, for instance for internal combustion engines

Title (de)

Maschine zur Produktion von Kolben, zum Beispiel für Verbrennungsmotoren

Title (fr)

Machine pour la production de pistons, par exemple pour moteurs à combustion interne

Publication

EP 1038613 A1 20000927 (EN)

Application

EP 99830174 A 19990325

Priority

EP 99830174 A 19990325

Abstract (en)

The machine (1) can be used for the simultaneous production of a plurality of pistons by means of gravity casting. The machine includes respective supporting and actuating structures (8; 9, 10, 11; 17, 18, 19; 14, 15, 16) for the internal male plugs (A), each of the internal lateral blocks (B, C), each of the external side pieces (D, E) and the upper element F of the various casting cavities. The machine can therefore be easily reconfigured for varying the type and number of the pistons to be simultaneously produced. The machine also provides the possibility of causing its sole casting part to be selectively rocked, thus making it possible, for example, to place inserts produced in accordance with the ALFin process into the casting cavities. <IMAGE>

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B22D 15/02

IPC 8 full level

B22D 15/02 (2006.01)

CPC (source: EP)

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Citation (search report)

- [A] US 2824347 A 19580225 - WINSHIP JAMES W, et al
- [A] US 2696031 A 19541207 - PIERRE FOURON, et al

Cited by

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Designated contracting state (EPC)

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EP 1038613 A1 20000927; EP 1038613 B1 20040929; BR 0001218 A 20001031; DE 69920654 D1 20041104; DE 69920654 T2 20050210

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