

Title (en)

PROCESS AND APPARATUS FOR THE PRODUCTION OF A FOUNDRY MOULD

Publication

EP 0029133 B1 19840208 (DE)

Application

EP 80106552 A 19801025

Priority

CH 979779 A 19791101

Abstract (en)

[origin: US4357984A] A mold filling and compacting method includes forming a compact body of mold substance such as sand in an intermediate container and then abruptly opening the bottom closure of the container while releasing the sand, as a compact mass, so that it drops as a packet into the mold box, compacting itself effectively around a pattern arrangement. Specific techniques for releasing, including sudden lifting, sudden dropping and separating the container parts are disclosed as well as apparatus for performing the method.

IPC 1-7

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

IPC 8 full level

B22C 5/00 (2006.01); **B22C 5/12** (2006.01); **B22C 15/24** (2006.01)

CPC (source: EP US)

B22C 5/12 (2013.01 - EP US)

Citation (examination)

"LITJNDE PROIZVODSTVO in Deutsch" Jahrgang 1962, S. 38/39

Cited by

US5525648A; EP0519324A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0029133 A1 19810527; **EP 0029133 B1 19840208**; AT E6133 T1 19840215; CA 1175631 A 19841009; CH 646351 A5 19841130; DE 3066515 D1 19840315; JP S56128644 A 19811008; US 4357984 A 19821109

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EP 80106552 A 19801025; AT 80106552 T 19801025; CA 363789 A 19801031; CH 979779 A 19791101; DE 3066515 T 19801025; JP 15238580 A 19801031; US 20274980 A 19801031