

Title (en)

Process for the dry pressing of a granular or powdery material and associated device and apparatus.

Title (de)

Verfahren, Vorrichtung und Gerät zum Trockenpressen von pulverförmigen oder körnigen Stoffen.

Title (fr)

Procédé, dispositif et appareil de pressage à sec de matières en poudres ou en grains.

Publication

EP 0547305 A2 19930623 (EN)

Application

EP 92116533 A 19920928

Priority

IT MI913405 A 19911218

Abstract (en)

The present invention relates to a process for the dry pressing of a granular or powdery material, to a device suitable to be used to perform pressing and to a pressing apparatus which comprises the device. The process according to the invention comprises a step during which the depth of the mold is changed and the upper surface of the material contained in the mold is leveled simultaneously. The device comprises a base, a body for supporting the lower mold and a plurality of hydraulic cylinders and pistons which are supplied by a flow divider element. The invention allows to obtain any profile of distribution of the material in the mold, in the direction of the leveling means, so as to compensate inadequacies in distribution.
<IMAGE>

IPC 1-7

B30B 11/02; B30B 11/04; B30B 15/30

IPC 8 full level

B30B 11/02 (2006.01); **B30B 15/02** (2006.01); **B30B 15/24** (2006.01); **B30B 15/30** (2006.01)

CPC (source: EP)

B30B 11/02 (2013.01); **B30B 15/028** (2013.01); **B30B 15/245** (2013.01); **B30B 15/304** (2013.01)

Citation (applicant)

- IT MI912420 A 19910913
- IT 719423 B 19661102
- IT 717878 B 19661015
- IT 216666 Z2 19910917 - SACMI [IT]
- WO 8911969 A1 19891214 - SITI [IT], et al
- IT 677031 A
- IT 687318 A
- IT 968676 B 19740320 - WELKO IND SPA [IT]
- IT 968677 B 19740320 - WELKO IND SPA [IT]
- JP S5884700 A 19830520 - YOSHITSUKA SEIKI KK
- US 4222726 A 19800916 - SAVAGE WILLIAM T
- IT 1220351 B 19900615 - SACMI SOC COOP A RESP LIM [IT]
- DE 1255554 B 19671130 - DORST KERAMIKMASCH, et al
- DE 528100 C 19310626 - PETER JOSEPH SPENGLER, et al
- DE 8803036 U1 19880414
- WO 8911969 A1 19891214 - SITI [IT], et al
- PLASTICS ENGINEERING, vol. XXXVI, no. 2, February 1980 (1980-02-01), pages 40 - 44
- PLASTICS ENGINEERING, vol. XXXVI, no. 2, February 1980 (1980-02-01), pages 40 - 44

Cited by

CN113002053A; CN102641935A; EP1101598A1; EP0753396A3; EP0753397A3; US8568129B2; US7745631B2; US8562327B2; DE102016103580A1; WO2010141686A1; WO2010141705A1

Designated contracting state (EPC)

CH DE ES FR GB IT LI PT SE

DOCDB simple family (publication)

EP 0547305 A2 19930623; EP 0547305 A3 19930908; EP 0547305 B1 19960515; DE 69210777 D1 19960620; DE 69210777 T2 19960926; ES 2087389 T3 19960716; IT MI913405 A0 19911218; IT MI913405 A1 19930618

DOCDB simple family (application)

EP 92116533 A 19920928; DE 69210777 T 19920928; ES 92116533 T 19920928; IT MI913405 A 19911218