

Title (en)

SHUTTERING FOR SIMULTANEOUSLY MAKING SEVERAL ARC-SHAPED ELEMENTS FROM CONCRETE OR THE LIKE

Publication

EP 0342657 B1 19930811 (DE)

Application

EP 89108889 A 19890517

Priority

DE 3817363 A 19880520

Abstract (en)

[origin: EP0342657A2] The shuttering serves for simultaneously making a set of annular finished elements of different standard sizes. It has concentrically arranged shuttering rings 2 to 6 forming between them shaping spaces which are limited at the lower end by bottom rings 12 to 15 and which are filled from the upper end with a paper concrete. After lifting and turning, the shuttering is deposited on a pallet 39, against which it is firmly pressed by means of a clamping device 44 to 46. The bottom rings 12 to 15 are connected via ejector rods 24 to a setting plate 30 which is displaceable relative to the shuttering rings 2 to 6 by means of a hydraulic setting device 35, in order first to compact the concrete in the shaping spaces and then, after the release of the clamping device, to eject the set of finished elements. <IMAGE>

IPC 1-7

B28B 1/52; B28B 7/08; B28B 7/10; B28B 7/24; B28B 21/76; B28B 21/90

IPC 8 full level

B28B 1/10 (2006.01); **B28B 1/52** (2006.01); **B28B 3/06** (2006.01); **B28B 7/08** (2006.01); **B28B 7/10** (2006.01); **B28B 7/24** (2006.01); **B28B 21/14** (2006.01); **B28B 21/76** (2006.01); **B28B 21/90** (2006.01)

CPC (source: EP)

B28B 1/10 (2013.01); **B28B 3/06** (2013.01); **B28B 7/08** (2013.01); **B28B 7/10** (2013.01); **B28B 7/241** (2013.01); **B28B 21/14** (2013.01)

Cited by

CN103057136A; CN113585738A; CN113605731A; CN106965312A

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0342657 A2 19891123; EP 0342657 A3 19910911; EP 0342657 B1 19930811; AT E92835 T1 19930815; DE 3817363 A1 19891130; DE 58905220 D1 19930916

DOCDB simple family (application)

EP 89108889 A 19890517; AT 89108889 T 19890517; DE 3817363 A 19880520; DE 58905220 T 19890517