

Title (en)

Method and apparatus for producing a finished stack of flat products from stacked material

Title (de)

Vorrichtung und Verfahren zum Herstellen von Fertigstapeln flächiger Gebilde aus einem Grundstapel

Title (fr)

Procédé ainsi que dispositif pour obtenir une pile de produits plats finis à partir d'un empilage

Publication

EP 1103358 B1 20041020 (DE)

Application

EP 99123330 A 19991123

Priority

EP 99123330 A 19991123

Abstract (en)

[origin: EP1103358A1] The appliance for stacking flat structures (54) for punching out from a basic elongated, cube-shaped stack (26) contains a hollow cylindrical punching-tool (16). A punching element (14) in the form of a support plate forming part of a support bench (22) takes the basic stack for punching. A counter-pressure punch (18) moves to and fro towards the punching element and through the punching tool. The finished stack is removed sideways by a container. The end (46) of the support bench facing the support plate (20) has a slide unit (50) moving the basic stack towards the punching-tool. The end of the support bench facing the slide unit has an aligning element (44) which aligns the basic stack under the punching tool.

IPC 1-7

B26F 1/40; **B26D 7/01**

IPC 8 full level

B26D 7/01 (2006.01); **B26F 1/40** (2006.01)

CPC (source: EP)

B26D 7/015 (2013.01); **B26F 1/40** (2013.01); **B26F 1/44** (2013.01); **B26F 2210/02** (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1103358 A1 20010530; **EP 1103358 B1 20041020**; AT E280018 T1 20041115; CA 2326772 A1 20010523; DE 59910908 D1 20041125; ES 2168238 T1 20020616; ES 2168238 T3 20050316

DOCDB simple family (application)

EP 99123330 A 19991123; AT 99123330 T 19991123; CA 2326772 A 20001122; DE 59910908 T 19991123; ES 99123330 T 19991123