

Title (en)

DEVICE FOR FINELY CUTTING WORKPIECES FROM A MATERIAL

Title (de)

VORRICHTUNG ZUM FEINSCHNEIDEN VON WERKSTÜCKEN AUS EINEM WERKSTOFF

Title (fr)

DISPOSITIF DE DECOUPAGE FIN DE PIECES DANS UN MATERIAU

Publication

EP 1189745 B1 20030226 (DE)

Application

EP 00947859 A 20000620

Priority

- DE 19929163 A 19990625
- EP 0005681 W 20000620

Abstract (en)

[origin: US7806031B1] A device for finely cutting workpieces from a material, which includes a press plate which is subjected to the pressure of a knife-edged ring cylinder consisting of a knife-edged ring and a clipping punch which is guided in the pressing plate, and associated with a blanking die with a counter holder (ejector) on a tappet, whereby the tappet is placed against at least one compensation cylinder which is hydraulically connect to the knife-edged ring cylinder.

IPC 1-7

B30B 1/32

IPC 8 full level

B21D 28/02 (2006.01); **B21D 28/16** (2006.01); **B30B 1/32** (2006.01)

CPC (source: EP US)

B21D 28/16 (2013.01 - EP US); **Y10T 83/5805** (2015.04 - EP US); **Y10T 83/8858** (2015.04 - EP US); **Y10T 83/9425** (2015.04 - EP US)

Designated contracting state (EPC)

AT DE FR GB IT

DOCDB simple family (publication)

US 7806031 B1 20101005; AT E233176 T1 20030315; AU 6151000 A 20010131; CN 1455712 A 20031112; DE 19929163 C1 20010118;
DE 50001335 D1 20030403; EP 1189745 A2 20020327; EP 1189745 B1 20030226; JP 2003503208 A 20030128; WO 0100396 A2 20010104;
WO 0100396 A3 20010531

DOCDB simple family (application)

US 1860900 A 20000620; AT 00947859 T 20000620; AU 6151000 A 20000620; CN 00809361 A 20000620; DE 19929163 A 19990625;
DE 50001335 T 20000620; EP 0005681 W 20000620; EP 00947859 A 20000620; JP 2001506085 A 20000620