

Title (en)
DEVICE FOR SHAPING WORKPIECES

Title (de)
VORRICHTUNG ZUM VERFORMEN VON WERKSTÜCKEN

Title (fr)
DISPOSITIF POUR LE FACONNAGE DE PIECES

Publication
EP 0894032 B1 20000712 (DE)

Application
EP 96933377 A 19960924

Priority
• DE 19614517 A 19960412
• EP 9604176 W 19960924

Abstract (en)
[origin: US6047585A] PCT No. PCT/EP96/04176 Sec. 371 Date Dec. 29, 1998 Sec. 102(e) Date Dec. 29, 1998 PCT Filed Sep. 24, 1996 PCT Pub. No. WO97/38806 PCT Pub. Date Oct. 23, 1997An apparatus for shaping panel-shaped workpieces uses an hourglass-shaped roller as bending tool. The workpieces are clamped between a first and a second tool. The second tool has a holding-down surface. Superimposed vertical side surfaces of the tools are offset by a horizontal dimension X, which corresponds at most to five times the thickness of the panel-shaped workpiece. The second tool is inclined and forms a further vertical surface in a region in which the panel-shaped workpiece is shaped into a corner and in which the tool does not cover the workpiece.

IPC 1-7
B21D 19/04; B21D 19/08

IPC 8 full level
B21D 5/04 (2006.01)

CPC (source: EP US)
B21D 5/04 (2013.01 - EP US)

Designated contracting state (EPC)
AT CH FR GB LI

DOCDB simple family (publication)
US 6047585 A 20000411; AT 3251 U2 19991227; AT E194519 T1 20000715; DE 19614517 A1 19971016; EP 0894032 A1 19990203; EP 0894032 B1 20000712; WO 9738806 A1 19971023

DOCDB simple family (application)
US 17105798 A 19981229; AT 49899 U 19990721; AT 96933377 T 19960924; DE 19614517 A 19960412; EP 9604176 W 19960924; EP 96933377 A 19960924