

Title (en)
Hemming device

Title (de)
Bördelvorrichtung

Title (fr)
Machine à border

Publication
EP 1103320 B1 20030423 (DE)

Application
EP 99123455 A 19991125

Priority
• EP 99123455 A 19991125
• US 6387202 A 20020521

Abstract (en)
[origin: EP1103320A1] The flanging device produces flanges on vehicle bodywork sheets. It has a base frame (1) with a rise-and-fall flanging bed (20) and flanging jaws (17, 18). The flanging tool (2) includes components specific to the workpiece, primarily the flanging bed and flanging jaws, and is fitted to the base frame as a changeable unit.

IPC 1-7
B21D 39/02; **B21D 37/10**; **B21D 37/14**

IPC 8 full level
B21D 37/10 (2006.01); **B21D 37/14** (2006.01); **B21D 39/02** (2006.01)

CPC (source: EP US)
B21D 37/10 (2013.01 - EP US); **B21D 37/14** (2013.01 - EP US); **B21D 39/021** (2013.01 - EP US); **Y10T 29/53791** (2015.01 - EP US)

Cited by
DE102006021876B4; DE102007029520B4; CN105499633A; EP1297913A1; CN113290353A; EP1493508A3; CN104353730A; EP1510268A1; CN102218668A; CN103567290A; CN113731734A; DE102007029520A1; CN104148513A; US6612146B2

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 1103320 A1 20010530; **EP 1103320 B1 20030423**; DE 59905215 D1 20030528; ES 2198840 T3 20040201; US 2003217580 A1 20031127; US 6644088 B1 20031111

DOCDB simple family (application)
EP 99123455 A 19991125; DE 59905215 T 19991125; ES 99123455 T 19991125; US 6387202 A 20020521