

Title (en)  
DEVICE FOR FREE THREE-DIMENSIONAL PROFILE FORMING

Title (de)  
VORRICHTUNG ZUM 3D-FREIFORMBIEGEN VON PROFILEN

Title (fr)  
DISPOSITIF DE FORMAGE LIBRE DE PROFILES EN TROIS DIMENSIONS

Publication  
**EP 1554066 B1 20061213 (DE)**

Application  
**EP 03788942 A 20031008**

Priority

- DE 10246977 A 20021009
- EP 03111118 W 20031008

Abstract (en)  
[origin: DE10246977A1] The appliance has a profile advance unit (3), a guide element (1) engaging on the profile, and a bending sleeve (5) in a retainer element (4). The profile (7) is turned in or with the guide element, and in/with the bending sleeve, about a longitudinal axis (L). The bending sleeve is born pivoted via the retainer element about a first hinge point of a rocker arm, which in turn is pivoted about a second hinge point. The retainer element is held in a guide groove, so that the inner surface of the sleeve acting in a bending manner on the outside of the profile, is permanently tangential to an arc of a circle corresponding to the desired bending radius, when the position of the retainer element in the groove changes.

IPC 8 full level  
**B21D 7/04** (2006.01); **B21D 7/02** (2006.01); **B21D 7/028** (2006.01); **B21D 9/07** (2006.01)

IPC 8 main group level  
**B21D** (2006.01)

CPC (source: EP US)  
**B21D 9/073** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004035241 A2 20040429; WO 2004035241 A3 20041014**; AT E347942 T1 20070115; AU 2003293604 A1 20040504; AU 2003293604 A8 20040504; DE 10246977 A1 20040422; DE 10246977 B4 20070628; DE 50305984 D1 20070125; EP 1554066 A2 20050720; EP 1554066 B1 20061213; PT 1554066 E 20070330; US 2006201218 A1 20060914; US 7290422 B2 20071106

DOCDB simple family (application)  
**EP 03111118 W 20031008**; AT 03788942 T 20031008; AU 2003293604 A 20031008; DE 10246977 A 20021009; DE 50305984 T 20031008; EP 03788942 A 20031008; PT 03788942 T 20031008; US 52897603 A 20031008