

Title (en)

METHOD FOR CUTTING EXTRUDED PROFILE SECTIONS

Title (de)

VERFAHREN ZUM ABLÄNGEN VON STRANGPRESSPROFILIEN

Title (fr)

PROCEDE PERMETTANT DE COUPER DES PROFILES EXTRUDES

Publication

**EP 1392457 A1 20040303 (DE)**

Application

**EP 03714774 A 20030305**

Priority

- DE 10209481 A 20020305
- EP 0302231 W 20030305

Abstract (en)

[origin: WO03074205A1] The invention relates to a method for cutting hollow-shaped extruded profile sections in a press flow, wherein the extruded profile section is bent upon exit from the press either simultaneously with or directly after the forming extrusion process by means of a force acting thereon in a transversal manner in relation to the direction of the extruding press, and a force component acts as a traction of pressure force during the forming extrusion process on the cross-sectional area of the hollow-profile walls thus arising. The bent extruded profile section is cut in the press flow by the mechanical action of a saw, whereby force exerted on the extruded profile section during cutting is compensated by a supporting device arranged adjacent to the extruded profile section, so that deformation of the bent extruded profile section is prevented. The extruded profile section is made from an aluminium or magnesium alloy and has a temperature of 200 DEG C - 600 DEG C during cutting.

IPC 1-7

**B21C 23/12**

IPC 8 full level

**B21C 23/00** (2006.01); **B21C 23/12** (2006.01)

CPC (source: EP US)

**B21C 23/12** (2013.01 - EP US)

Citation (search report)

See references of WO 03074205A1

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 03074205 A1 20030912**; AT E297269 T1 20050615; AU 2003219014 A1 20030916; CA 2462533 A1 20030912; CN 1253263 C 20060426; CN 1514750 A 20040721; DE 10209481 C1 20031204; DE 50300620 D1 20050714; DK 1392457 T3 20051010; EP 1392457 A1 20040303; EP 1392457 B1 20050608; JP 2005518283 A 20050623; NO 20034933 D0 20031105; NO 20034933 L 20031105; US 2004163438 A1 20040826; US 6862911 B2 20050308

DOCDB simple family (application)

**EP 0302231 W 20030305**; AT 03714774 T 20030305; AU 2003219014 A 20030305; CA 2462533 A 20030305; CN 03800359 A 20030305; DE 10209481 A 20020305; DE 50300620 T 20030305; DK 03714774 T 20030305; EP 03714774 A 20030305; JP 2003572705 A 20030305; NO 20034933 A 20031105; US 73624003 A 20031215