

Title (en)

PROCESS FOR MACHINING SHEET METAL PARTS

Title (de)

VERFAHREN ZUM BEARBEITEN VON BLECHTEILEN

Title (fr)

PROCEDE D'USINAGE DE PIECES DE TOLE

Publication

**EP 0865333 B1 20020417 (DE)**

Application

**EP 97944875 A 19970912**

Priority

- DE 19639589 A 19960926
- EP 9704996 W 19970912

Abstract (en)

[origin: WO9813155A1] In a process for machining sheet metal parts (14) in a bending cell (10) of a bending centre, the sheet metal parts are successively transported from an insertion area to the bending cell. They are taken up by a first manipulator (32) of a manipulator device in a transfer position (130) and then set on a bending edge (16) to be subjected to at least one bending process. In order to optimise this process, each ready bent sheet metal part is carried away after the last bending process from an end bending position (132). While one sheet metal part is bent, the next sheet metal part is transported from the insertion area to a transfer position which does not overlap with the end bending position, and is positioned to be gripped by the first manipulator. The first manipulator starts to transfer the following sheet metal part to the transfer position while the ready bent sheet metal part is leaving the end bending position.

IPC 1-7

**B21D 43/00**; **B21D 5/00**

IPC 8 full level

**B21D 5/00** (2006.01); **B21D 5/04** (2006.01); **B21D 43/00** (2006.01)

CPC (source: EP)

**B21D 5/00** (2013.01); **B21D 43/00** (2013.01)

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB IT LI NL PT SE

DOCDB simple family (publication)

**WO 9813155 A1 19980402**; AT E216293 T1 20020515; DE 19639589 A1 19980409; DE 59707052 D1 20020523; DK 0865333 T3 20020805; EP 0865333 A1 19980923; EP 0865333 B1 20020417; ES 2175470 T3 20021116; JP 2000503908 A 20000404; PT 865333 E 20020930

DOCDB simple family (application)

**EP 9704996 W 19970912**; AT 97944875 T 19970912; DE 19639589 A 19960926; DE 59707052 T 19970912; DK 97944875 T 19970912; EP 97944875 A 19970912; ES 97944875 T 19970912; JP 51521098 A 19970912; PT 97944875 T 19970912