Title (en)

METHOD FOR PRODUCING A FOLD ON A SHEET METAL ELEMENT, SHEET METAL ELEMENT AND DEVICE FOR PRE-FOLDING A METAL SHEET ELEMENT

Title (de)

VERFAHREN ZUM ERZEUGEN EINER ABKANTUNG AN EINEM BLECHELEMENT, DURCH DIESES VERFAHREN HERGESTELLTES BLECHELEMENT SOWIE VORRICHTUNG ZUM VORPROFILIEREN EINES BLECHELEMENTS

Title (fr)

PROCEDE POUR PRODUIRE UN PLIAGE SUR UN ELEMENT EN TOLE, ELEMENT EN TOLE ET DISPOSITIF POUR REALISER UN PRE-PLIAGE SUR UN ELEMENT EN TOLE

Publication

EP 1933997 B1 20120321 (DE)

Application

EP 06792019 A 20060913

Priority

- EP 2006008900 W 20060913
- DE 102005044423 A 20050916

Abstract (en)

[origin: WO2007031289A1] The aim of the invention is to provide a method for producing a fold on a sheet metal element (100) whereby the outer radius (RA) of the fold can be predetermined substantially independently of the material thickness of the sheet metal element (100). For this purpose, the inventive method comprises the following steps: preprofiling the sheet metal element (100) in such a manner as to produce, on a first face (104) of the sheet metal element (100), a recess (106) which extends along a desired fold line, and, on a second face of the sheet metal element, a projection (110) which also extends along the desired fold line and is opposite the recess; and bending the sheet metal element (100) on the fold line along which the recess (106) and the projection (110) extend, thereby producing the fold.

IPC 8 full level

B21D 11/08 (2006.01); **B21D 7/06** (2006.01); **B21D 53/74** (2006.01); **E06B 3/96** (2006.01)

CPC (source: EP)

B21D 7/06 (2013.01); **B21D 11/08** (2013.01); **B21D 53/74** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007031289 A1 20070322; AT E550116 T1 20120415; DE 102005044423 A1 20070322; DK 1933997 T3 20120430; EP 1933997 A1 20080625; EP 1933997 B1 20120321; ES 2384394 T3 20120704; PL 1933997 T3 20120831

DOCDB simple family (application)

EP 2006008900 W 20060913; AT 06792019 T 20060913; DE 102005044423 A 20050916; DK 06792019 T 20060913; EP 06792019 A 20060913; ES 06792019 T 20060913; PL 06792019 T 20060913