

Title (en)
Method for correcting deformations occurring during the punching of metal sheets

Title (de)
Verfahren zur Korrektur von Verformungen beim Stanzen von Blechen

Title (fr)
Procédé destiné à la correction des déformations lors du poinçonnage de tôles

Publication
EP 2210685 B1 20121107 (DE)

Application
EP 09001081 A 20090127

Priority
EP 09001081 A 20090127

Abstract (en)
[origin: EP2210685A1] The tool kit has a deflector for a punching machine with a plunger (4) having an upper tool holder. The deflector has a section with a lower surface having areas with high rigidity and the area with lower rigidity. The areas with high rigidity are arranged relative to a central axis outside another area with low rigidity. A tool insert has a tool upper part (16) and tool lower part. The tool upper part has a cutter, and the tool lower part has an opening complementary to the cutter. An independent claim is also included for a method for correcting the deformation of a plate processed in a punching machine by stamp.

IPC 8 full level
B21D 45/06 (2006.01); **B21D 28/26** (2006.01); **B21D 45/00** (2006.01)

CPC (source: EP)
B21D 28/26 (2013.01); **B21D 45/006** (2013.01); **B21D 45/06** (2013.01)

Cited by
CN110405004A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2210685 A1 20100728; EP 2210685 B1 20121107

DOCDB simple family (application)
EP 09001081 A 20090127