

Title (en)

DEVICE FOR PLACING A STAMPED RIVET IN SHEET METAL

Title (de)

VORRICHTUNG ZUM SETZEN EINES STANZNIETS IN BLECH

Title (fr)

DISPOSITIF POUR POSER UN RIVET AUTOPOINCONNEUR DANS UNE TOLE

Publication

EP 1572392 A1 20050914 (DE)

Application

EP 03782413 A 20031216

Priority

- DE 10259369 A 20021218
- EP 0314303 W 20031216

Abstract (en)

[origin: DE10259369B3] The appliance has an upper sleeve (48) containing a sliding die (46), and a stationary lower sleeve (50) at a distance to the upper one. The lower sleeve accommodates the shaft of the rivet (10) during the setting process. The lower sleeve is enclosed by a tensioning sleeve (52), which projects over it towards the sliding die, and serves as support for the metal plates (24,26) to be connected by the rivet. The tensioning sleeve has a ring shoulder (54), which is flexibly pre-tensioned against a stop (62), by a spring parcel (60) held between the ring shoulder and an abutment (56).

IPC 1-7

B21J 15/02; B21J 15/36

CPC (source: EP US)

B21J 15/025 (2013.01 - EP US); **F16B 19/086** (2013.01 - EP US); **F16B 5/04** (2013.01 - EP US); **Y10T 29/53387** (2015.01 - EP US); **Y10T 29/5343** (2015.01 - EP US); **Y10T 29/5377** (2015.01 - EP US)

Citation (search report)

See references of WO 2004054737A1

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)

DE 10259369 B3 20040506; AU 2003290056 A1 20040709; EP 1572392 A1 20050914; US 2006010671 A1 20060119; WO 2004054737 A1 20040701

DOCDB simple family (application)

DE 10259369 A 20021218; AU 2003290056 A 20031216; EP 0314303 W 20031216; EP 03782413 A 20031216; US 53707605 A 20050601