

Title (en)

METHOD FOR THE PERMANENT CONNECTION OF WORKPIECES

Title (de)

VERFAHREN ZUM UNLÖSBAREN VERBINDEN VON WERKSTÜCKEN

Title (fr)

PROCÉDÉ D'ASSEMBLAGE PERMANENT DE PIÈCES

Publication

**EP 2265415 A1 20101229 (DE)**

Application

**EP 09713367 A 20090130**

Priority

- EP 2009051062 W 20090130
- DE 102008010083 A 20080219

Abstract (en)

[origin: CA2716178A1] The invention relates to a compression tool (2) for the permanent connection of workpieces (14, 16, 18, 30, 34) having two pivot elements (4), which each have a compression jaw (10), and having at least one rotational axis (6), on which the pivot elements (4) are hinged, wherein the inner contours of the opposing compression jaws (10) form a receiving area (12). The present invention is based on the technical problem of disclosing an alternative compression tool (2), with which a permanent connection can be provided between workpieces (14, 16, 18, 30, 34) by axial compression. The technical problem is solved in that the inner contours have at least one sliding face (2), which is inclined relative to the receiving area axis (20). A compression tool (2) can thus be provided which, starting from a radial inward movement, performs a compression in the axial direction, nonetheless requires little installation space, and offers weight advantages due to a smaller axial extension, for example. Furthermore, the invention relates to an attachment for a compression tool (2) and to a method for the permanent connection of workpieces using a compression tool.

IPC 8 full level

**B25B 27/10** (2006.01)

CPC (source: EP US)

**B25B 27/10** (2013.01 - EP US); **Y10T 29/49876** (2015.01 - US); **Y10T 29/49945** (2015.01 - US); **Y10T 29/53226** (2015.01 - US); **Y10T 29/53235** (2015.01 - US); **Y10T 29/5367** (2015.01 - US); **Y10T 29/5397** (2015.01 - US)

Citation (search report)

See references of WO 2009103605A1

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

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**DE 102008010083 A1 20090827**; AU 2009216886 A1 20090827; AU 2009216886 B2 20121101; CA 2716178 A1 20090819; CA 2716178 C 20140225; CN 101977735 A 20110216; CN 101977735 B 20160525; DE 202009018809 U1 20130813; DK 2265415 T3 20131125; DK 2265415 T4 20210531; DK 2602062 T3 20140317; EP 2265415 A1 20101229; EP 2265415 B1 20130828; EP 2265415 B2 20210310; EP 2602062 A1 20130612; EP 2602062 B1 20131225; ES 2435533 T3 20131220; ES 2435533 T5 20211028; ES 2449384 T3 20140319; MX 2010009167 A 20101130; PL 2265415 T3 20140131; PL 2265415 T6 20220718; PL 2602062 T3 20140530; PT 2265415 E 20131121; PT 2602062 E 20140304; RU 2446934 C1 20120410; US 2011016696 A1 20110127; US 8567034 B2 20131029; WO 2009103605 A1 20090827

DOCDB simple family (application)

**DE 102008010083 A 20080219**; AU 2009216886 A 20090130; CA 2716178 A 20090130; CN 200980109831 A 20090130; DE 202009018809 U 20090130; DK 09713367 T 20090130; DK 13158294 T 20090130; EP 09713367 A 20090130; EP 13158294 A 20090130; EP 2009051062 W 20090130; ES 09713367 T 20090130; ES 13158294 T 20090130; MX 2010009167 A 20090130; PL 09713367 T 20090130; PL 13158294 T 20090130; PT 09713367 T 20090130; PT 13158294 T 20090130; RU 2010138613 A 20090130; US 73586509 A 20090130