

Title (en)
TOOL FOR RIVETED CONNECTION

Title (de)
WERKZEUG ZUM NIETARTIGEN VERBINDEN

Title (fr)
OUTIL D'ASSEMBLAGE PAR RIVETAGE

Publication
EP 1377397 A2 20040107 (DE)

Application
EP 02732372 A 20020404

Priority
• DE 0201227 W 20020404
• DE 10116692 A 20010404

Abstract (en)
[origin: WO02081112A2] A tool, in particular for production of overlap joints, with a multi-component die, with outwardly yielding die sleeve pieces (2) and opposing individual springs (6), which are connected to each other in one piece by a connecting section (7), whereby at least three sleeve pieces (2) are provided, arranged asymmetrically around the mid-axis of the die.

IPC 1-7
B21D 39/03

IPC 8 full level
B21D 39/03 (2006.01)

CPC (source: EP US)
B21D 39/031 (2013.01 - EP US); **Y10T 29/49837** (2015.01 - EP US); **Y10T 29/49908** (2015.01 - EP US); **Y10T 29/49943** (2015.01 - EP US); **Y10T 29/53996** (2015.01 - EP US); **Y10T 403/75** (2015.01 - EP US)

Citation (search report)
See references of WO 02081112A2

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
WO 02081112 A2 20021017; **WO 02081112 A3 20021212**; AU 2002304887 A1 20021021; DE 10214959 A1 20030123; DE 50201303 D1 20041118; EP 1377397 A2 20040107; EP 1377397 B1 20041013; US 2004170473 A1 20040902; US 7150086 B2 20061219

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DE 0201227 W 20020404; AU 2002304887 A 20020404; DE 10214959 A 20020404; DE 50201303 T 20020404; EP 02732372 A 20020404; US 47257904 A 20040426