

Title (en)  
RIVETING DEVICE AND METHOD FOR RIVETING

Title (de)  
NIETGERÄT SOWIE VERFAHREN ZUM VERNIETEN

Title (fr)  
APPAREIL A RIVER ET PROCEDE DE RIVETAGE

Publication  
**EP 1294505 B1 20050810 (DE)**

Application  
**EP 01967111 A 20010629**

Priority  
• DE 10031073 A 20000630  
• EP 0107483 W 20010629

Abstract (en)  
[origin: WO0200368A2] The invention relates to a riveting device (1) comprising a pressure pad (3) and a riveting die (4). Said pressure pad (3) and riveting die (4) can be hydraulically driven by means of a pressure pad piston (12) and a die piston (13). The aim of the invention is to further develop such a riveting device (1) in an advantageous manner. To this end, the pressure pad piston (12) and the die piston (13) are driven by the same hydraulic pressure, the effective piston area (36) of the pressure pad piston (12) being embodied in a smaller manner than the effective piston area (14) of the die piston (13).

IPC 1-7  
**B21J 15/20**; **B21J 15/02**; **B21D 39/03**

IPC 8 full level  
**B21D 39/03** (2006.01); **B21J 15/02** (2006.01); **B21J 15/20** (2006.01); **B21J 15/32** (2006.01)

CPC (source: EP US)  
**B21D 39/031** (2013.01 - EP US); **B21J 15/02** (2013.01 - EP US); **B21J 15/025** (2013.01 - EP US); **B21J 15/20** (2013.01 - EP US); **B21J 15/323** (2013.01 - EP US); **Y10T 29/49956** (2015.01 - EP US); **Y10T 29/53513** (2015.01 - EP US); **Y10T 29/5377** (2015.01 - EP US)

Cited by  
DE102015122255A1; DE102019122276A1; WO2021032730A1; US11135637B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 0200368 A2 20020103**; **WO 0200368 A3 20020620**; AT E301516 T1 20050815; DE 10031073 A1 20020110; DE 10031073 B4 20161124; DE 50107058 D1 20050915; EP 1294505 A2 20030326; EP 1294505 B1 20050810; ES 2243546 T3 20051201; US 2002148089 A1 20021017; US 6862793 B2 20050308

DOCDB simple family (application)  
**EP 0107483 W 20010629**; AT 01967111 T 20010629; DE 10031073 A 20000630; DE 50107058 T 20010629; EP 01967111 A 20010629; ES 01967111 T 20010629; US 6983802 A 20020520