

Title (en)

CLAMPING JAWS AND CLAMPING DEVICE FOR CLAMPING WORKPIECES

Title (de)

SPANNBACKEN UND SPANNEINRICHTUNG ZUM SPANNEN VON WERKSTÜCKEN

Title (fr)

MACHOIRE DE SERRAGE ET DISPOSITIF DE SERRAGE POUR FIXER DES PIÈCES

Publication

EP 1684946 A1 20060802 (DE)

Application

EP 04797769 A 20041110

Priority

- EP 2004012706 W 20041110
- DE 10355555 A 20031121

Abstract (en)

[origin: WO2005049278A1] The invention relates to a clamping device (11) comprising clamping jaws (13) in which a plurality of clamping rods (16) are disposed. The clamping rods (16) are enabled to move by means of an interlinked system of rod chambers (22) and channels (24, 28) in which a magnetorheological fluid (26) is contained. If a magnetic field is applied by means of a magnet (30), the fluid solidifies, the liquid-carrying connection between the rod chambers (22) is interrupted and the rods (16) are fixed in a defined position.

IPC 8 full level

B25B 1/24 (2006.01); **B25B 5/14** (2006.01)

CPC (source: EP US)

B23Q 3/063 (2013.01 - EP); **B23Q 3/082** (2013.01 - EP); **B23Q 3/1543** (2013.01 - EP); **B25B 1/2421** (2013.01 - EP US); **B25B 5/14** (2013.01 - EP US)

Citation (search report)

See references of WO 2005049278A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005049278 A1 20050602; DE 10355555 A1 20050616; DE 10355555 B4 20120809; EP 1684946 A1 20060802; TW 200529980 A 20050916; US 2008157453 A1 20080703

DOCDB simple family (application)

EP 2004012706 W 20041110; DE 10355555 A 20031121; EP 04797769 A 20041110; TW 93133698 A 20041104; US 43789506 A 20060519