

Title (en)

Ring-forming tool with variable lever arm and variable torque

Title (de)

Ringformungswerkzeug mit variablem Hebelarm und variablem Drehmoment

Title (fr)

Outil de formation de cycle avec un bras de levier variable et un couple variable

Publication

EP 1987922 A3 20101020 (EN)

Application

EP 08380126 A 20080429

Priority

ES 200701177 A 20070503

Abstract (en)

[origin: EP1987922A2] Ring-forming tool (1) for closing a ring (19), which comprises a top piece (2), a bottom piece (3), a top claw (4) and a lever (9), connected together by means of four pivot points (7, 8, 17, 18), three of which present a fixed position and one of which presents a variable position that enables the tool (1) to vary the lever arm and therefore vary the force exerted on the ring (19) for a same force exerted by the user. In this way, the inventive tool may provide decreasing forces on the ring (19) as the ring (19) closes and offers less resistance.

IPC 8 full level

B25B 7/12 (2006.01); **B25B 27/14** (2006.01); **H01R 43/042** (2006.01)

CPC (source: EP ES)

B25B 7/12 (2013.01 - EP ES); **B25B 27/146** (2013.01 - EP)

Citation (search report)

- [A] DE 29816558 U1 19981210 - WANG KUANG PIN [TW]
- [A] US 2144180 A 19390117 - ALEXANDER CRUICKSHANK
- [A] DE 10217266 A1 20031113 - RENNSTEIG WERKZEUGE GMBH [DE]
- [A] DE 20201042 U1 20020508 - YEN CHAO CHIN [TW]

Cited by

KR20190018993A; US10804664B2

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 1987922 A2 20081105; **EP 1987922 A3 20101020**; ES 2324444 A1 20090806; ES 2324444 B1 20100526

DOCDB simple family (application)

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