

Title (en)
CLAMPING TOOL CAPABLE OF CHANGING CLAMP HANDLE ANGLE

Title (de)
SPANNWERKZEUG MIT VERÄNDERBAREM KLEMMENGRIFFWINKEL

Title (fr)
OUTIL DE SERRAGE APTE À MODIFIER L'ANGLE DE LA POIGNÉE DE PINCE

Publication
EP 2682233 A4 20150701 (EN)

Application
EP 11870548 A 20111114

Priority
• CN 201120286009 U 20110809
• CN 2011082154 W 20111114

Abstract (en)
[origin: EP2682233A1] A clamping tool capable of changing a clamp handle angle comprises a working head (1), a clamp handle (2) and an adjustment structure (3). The working head (1) is formed by connecting a clamp head (1-1) and a positioning shaft (1-3) through a cover plate (1-2), a replaceable opening mould (1-4) is installed on the clamp head (1-1), the clamp handle (2) comprises a left clamp handle (2-1) and a right clamp handle (2-2), a ratchet retaining mechanism (4) is installed on the clamp handle (2), and the ratched retain-ing mechanism (4) comprises: a ratchet plate (4-2) installed at an upper clamp handle (2-2a) of the right clamp handle (2-2) and a ratchet (4-1) installed on the left clamp handle (2-1); the right clamp handle (2-2) comprises the upper clamp handle (2-2a) and a lower clamp handle (2-2b) movably connected to the upper clamp handle (2-2a) through a rotating shaft (6), and a clamp handle angle adjustment mechanism (5) is installed on the right clamp handle (2-2). When the clamping tool works, the clamp handle angle can be changed easily only by pulling the handle, so that the clamping operation is very laborsaving and the efficiency of installation operations is enhanced. Also, the clamp handle (2) is designed with a certain angle, and through the clamp handle angle adjustment mechanism (5), the phenomenon of touch of two hands during work is prevented.

IPC 8 full level
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CPC (source: EP)
B25B 7/16 (2013.01); **B25B 7/18** (2013.01); **B25B 27/10** (2013.01)

Citation (search report)
• [A] EP 1147859 A2 20011024 - GEBERIT TECHNIK AG [CH]
• [A] US 2001006001 A1 20010705 - BATTENFELD KURT [DE]
• See references of WO 2013020335A1

Cited by
CN112677068A; US11745326B2; US12115687B2; WO2017100567A1; US10343295B2; US11090822B2; WO2019191634A1

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