

Title (en)

Gripping tool with hydraulic piston-cylinder-units

Title (de)

Greifwerkzeug mit hydraulischen Kolben-Zylinder-Einheiten

Title (fr)

Outil de préhension doté d'unités piston-cylindre hydrauliques

Publication

EP 2489788 A3 20150819 (DE)

Application

EP 12000502 A 20120126

Priority

DE 202011002981 U 20110221

Abstract (en)

[origin: EP2489788A2] The gripping tool (10) has a hydraulic piston cylinder unit that is provided with a piston (16) displaceable within the cylinder, and a bolt-shaped projection element (28) protruded from the cylinder. The coupling rods (24,26) are connected with the piston such that the gripper shell (12) is pivotable by movement of the piston and the projection element is guided through the piston. The piston comprises a large diameter portion in which the projection element is inserted.

IPC 8 full level

E02F 3/36 (2006.01); **B66C 3/16** (2006.01); **E02F 3/413** (2006.01); **E02F 9/22** (2006.01)

CPC (source: EP)

B66C 3/16 (2013.01); **E02F 3/3677** (2013.01); **E02F 3/413** (2013.01); **E02F 9/2271** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 202011002981 U1 20120522; EP 2489788 A2 20120822; EP 2489788 A3 20150819; EP 2489788 B1 20171011; PL 2489788 T3 20180330

DOCDB simple family (application)

DE 202011002981 U 20110221; EP 12000502 A 20120126; PL 12000502 T 20120126