

Title (en)  
Hydraulic pliers for grouting of workpieces

Title (de)  
Presszange zum Verpressen von Werkstücken

Title (fr)  
Pince de serrage destinée au serrage d'outils

Publication  
**EP 1941975 A3 20090513 (DE)**

Application  
**EP 07024617 A 20071219**

Priority  
DE 102007001235 A 20070108

Abstract (en)  
[origin: EP1941975A2] The pliers have two hand levers, which are movable relative to one another. Kinematics is provided for transmission of force, which is applied by a user on the hand lever, to pressing jaws (5, 6). An operating stroke of the pressing jaws exhibits two partial strokes. Pressing force is produced in both the partial strokes under utilization of different kinematics. The kinematics are designed as knee lever mechanism, with which knee of different articulated joints (11, 16) are formed.

IPC 8 full level  
**B25B 27/10** (2006.01); **B25B 27/14** (2006.01); **H01R 43/042** (2006.01)

CPC (source: EP US)  
**B25B 27/10** (2013.01 - EP US); **B25B 27/14** (2013.01 - EP US); **H01R 43/042** (2013.01 - EP US)

Citation (search report)

- [XD] DE 1527910 A1 19710715 - AMP INC
- [X] US 3200675 A 19650817 - NOBLE WILLIS GRANT

Cited by  
EP2082837A1; US8245560B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1941975 A2 20080709; EP 1941975 A3 20090513; EP 1941975 B1 20110608**; AT E511955 T1 20110615; DE 102007001235 A1 20080717; DE 102007001235 B4 20100602; JP 2008168425 A 20080724; JP 5214254 B2 20130619; US 2008163664 A1 20080710; US 8127589 B2 20120306

DOCDB simple family (application)  
**EP 07024617 A 20071219**; AT 07024617 T 20071219; DE 102007001235 A 20070108; JP 2008000424 A 20080107; US 97067908 A 20080108