

Title (en)

ONE-HAND ACTUATED, SELF-CLOSING PLIERS

Title (de)

EINHANDBETÄTIGBARE, SICH SELBST ZUSTELLENDEN ZANGE

Title (fr)

PINCE ACTIONNABLE PAR UNE MAIN ET A SERRAGE AUTOMATIQUE

Publication

**EP 1112149 A1 20010704 (DE)**

Application

**EP 99946136 A 19990907**

Priority

- DE 19840741 A 19980907
- DE 19940485 A 19990826
- EP 9906560 W 19990907

Abstract (en)

[origin: WO0013856A1] The spring mechanism (12) of a one-hand actuated pliers consists of a spring (14) supported on both handles (2, 3), which is designed in such a way that the handles (2, 3) are separated at a distance from each other by rotating the handle (3) and wherein the movable handle (3) of the pliers can be moved by the spring to the widest open position of the jaws by rotating said handle (3), wherein a rotation support of the spring (14) is configured on one side of the handle (2) and the spring (14) rests on said side against a rotational stop (19) formed on the handle (2) when it is not actuated. When the movable handle (3) of the pliers is displaced to a closing position of the jaws in which a workpiece is grasped, the spring (14) is released from the rotational stop only if force is exerted when the cheeks of the jaws (5, 6) are grasping the workpiece.

IPC 1-7

**B25B 7/10**

IPC 8 full level

**B25B 1/00** (2006.01); **B25B 7/04** (2006.01); **B25B 7/10** (2006.01); **B25B 7/16** (2006.01)

CPC (source: EP US)

**B25B 7/10** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0013856 A1 20000316**; AU 5861199 A 20000327; CN 1144655 C 20040407; CN 1316941 A 20011010; EP 1112149 A1 20010704; EP 1112149 B1 20031112; ES 2209505 T3 20040616; JP 2002524284 A 20020806; JP 4412851 B2 20100210; RU 2001109237 A 20030510; RU 2261168 C2 20050927; US 6502482 B1 20030107

DOCDB simple family (application)

**EP 9906560 W 19990907**; AU 5861199 A 19990907; CN 99810636 A 19990907; EP 99946136 A 19990907; ES 99946136 T 19990907; JP 2000568645 A 19990907; RU 2001109237 A 19990907; US 78667001 A 20010604