

Title (en)
CRIMPING PLIERS

Title (de)
CRIMPZANGE

Title (fr)
PINCE A SERTIR

Publication
EP 1634352 B1 20070404 (DE)

Application
EP 04790977 A 20041028

Priority
• EP 2004012207 W 20041028
• DE 10350952 A 20031030

Abstract (en)
[origin: WO2005043692A1] Disclosed are powered crimping pliers comprising a support column (1) on which two crimping tools (2, 3) are mounted, one crimping tool (2) being stationary and the other one (3) being movable within a guide (4) of the support column (1), a signal-actuated motor (5) with a motor housing (6) that is rigidly fixed to the support column (1) and encloses an actuator (7), said actuator (7) being joined to the movable crimping tool (3), and a control mechanism for actuating the motor (5). The motor (5) is embodied as an electric motor which is provided with a rotor that rotates about an axis. A deformation sensor (8) is provided on the support column (1), at least one crimping tool (2, 3), and/or the actuator (7, 7.1) for detecting the mechanical deformation generated during the crimping process and converting the same into a signal that is proportionate to the extent of the deformation. Said deformation sensor (8) is connected in a signal-conducting manner to the control mechanism of the motor (5) and causes the movable crimping tool (3) to be returned to the initial position thereof when a signal occurs that reaches or exceeds a randomly adjustable value.

IPC 8 full level
H01R 43/042 (2006.01); **B21D 39/04** (2006.01); **B25B 27/10** (2006.01); **B25B 27/14** (2006.01); **H01R 43/048** (2006.01)

CPC (source: EP)
B21D 39/046 (2013.01); **B25B 27/10** (2013.01); **B25B 27/146** (2013.01); **H01R 43/0428** (2013.01); **H01R 43/0486** (2013.01)

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

DOCDB simple family (publication)
WO 2005043692 A1 20050512; AT E358903 T1 20070415; DE 10350952 A1 20050609; DE 502004003413 D1 20070516; EP 1634352 A1 20060315; EP 1634352 B1 20070404; ES 2285533 T3 20071116; PL 1634352 T3 20070831

DOCDB simple family (application)
EP 2004012207 W 20041028; AT 04790977 T 20041028; DE 10350952 A 20031030; DE 502004003413 T 20041028; EP 04790977 A 20041028; ES 04790977 T 20041028; PL 04790977 T 20041028