

Title (en)
TOOL FOR THE APPLICATION OF INTERNALLY THREADED HOLLOW INSERTS

Publication
EP 0445084 A3 19920311 (EN)

Application
EP 91830054 A 19910218

Priority
IT 337190 A 19900302

Abstract (en)
[origin: EP0445084A2] In a power screwdriver-drill for clinching hollow cylindrical inserts (50) with a flanged end (52) and an internally threaded end (53) interconnected by an collapsible centre section (54), use is made of an interchangeable bolt (7) having one end (8) threaded to match the internal thread of the insert and coupled coaxially by the remaining end (9) to a prismatic spindle (3). The motor (2) is governed by an electronic monitoring and control unit (10) wired into the power supply line (6) between the on-off switch (5) and the motor, which regulates the input voltage to a value reflecting the maximum torque requirement and comprises a transducer (13) of which the output signal, a continuous voltage proportional to the current absorbed by the motor, is used to pilot a device (14) capable of inverting the polarity of the power supply to the motor (2), and thus automatically reversing its direction of rotation, on sensing a current equal to or greater than that absorbed by the windings when sufficient power is developed to give optimum upsetting and clinching torque at the spindle (3). <IMAGE>

IPC 1-7
B25B 27/00; **B25B 23/147**

IPC 8 full level
B25B 23/147 (2006.01); **B25B 27/00** (2006.01)

CPC (source: EP)
B25B 23/147 (2013.01); **B25B 27/0014** (2013.01)

Citation (search report)
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Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR LI LU NL SE

DOCDB simple family (publication)
EP 0445084 A2 19910904; **EP 0445084 A3 19920311**; IT 1238264 B 19930712; IT 9003371 A0 19900302; IT 9003371 A1 19910903

DOCDB simple family (application)
EP 91830054 A 19910218; IT 337190 A 19900302