

Title (en)
Blind-rivet tool.

Title (de)
Blindnietgerät.

Title (fr)
Outil pour poser des rivets borgnes.

Publication
EP 0065111 A1 19821124 (DE)

Application
EP 82103252 A 19820417

Priority
CH 318481 A 19810515

Abstract (en)
1. Blind riveting machine having a support (3) resting upon the hollow rivet and having a traction part (9) engaging by means of clamp jaws (15) the rivet pin (32) provided with an upset head, which part (9) is guided retractably out of its initial position braced against the support (3) along a traction stroke and exhibits a screwthreaded segment (24) radially mobile in the support and movable into and out of engagement with a spindle (21) driven in rotation, wherein the traction part (9) is driveable by motor along the traction stroke and the screwthreaded segment (24) is moved automatically out of engagement with the spindle (21) at the end of the retraction movement, characterised in that in the initial position of the traction part (9), the screwthreaded segment (24) is placed in front of the spindle (21, 22) at an axial interval and is thereby out of engagement with the spindle (22) (Figure 1), that the support and the spindle (21, 22) are slidable axially towards each other into a mutually bracing stop position (29, 30) (Figure 2), in which the screwthreaded segment (24) is moved automatically into engagement and meshes with the spindle (21, 22), and that the screwthreaded segment (24) is blocked radially positively in the entry position in the region of the traction stroke by means of a locking slideway (2).

Abstract (de)
Bei einem Blindnietgerät wird der von dem Support desselben vorstehende Blindniet in das dafür vorgesehene Loch eingeführt und der Support anschließend in eine Anschlaglage zurückgedrängt. Dadurch kommt ein radial bewegliches Gewindesegment des auf dem Support aufliegenden Ziehteiles in Eingriff mit einer rotierenden Gewindespindel, und der auf diese Weise angetriebene an dem Nietstift angreifende Ziehteil bewerkstelligt den Nietvorgang. Am Ende der Ziehstrecke wird das Gewindesegment entriegelt und außer Eingriff mit der Spindel gebracht; Support und Ziehteil nehmen ihre Ausgangslage ein.

IPC 1-7
B21J 15/04

IPC 8 full level
B21J 15/04 (2006.01)

CPC (source: EP)
B21J 15/043 (2013.01); **B21J 15/26** (2013.01)

Citation (search report)
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Designated contracting state (EPC)
AT DE FR GB IT

DOCDB simple family (publication)
EP 0065111 A1 19821124; EP 0065111 B1 19850703; AT E14087 T1 19850715; CH 650955 A5 19850830; DE 3264536 D1 19850808; ES 512178 A0 19830401; ES 8305228 A1 19830401

DOCDB simple family (application)
EP 82103252 A 19820417; AT 82103252 T 19820417; CH 318481 A 19810515; DE 3264536 T 19820417; ES 512178 A 19820514