

Title (en)

Automatic setting tool for masonry anchors.

Title (de)

Automatisches Setzwerkzeug für Maueranker.

Title (fr)

Outil automatique pour fixation des boulons de maçonnerie.

Publication

EP 0426918 A1 19910515 (EN)

Application

EP 89311626 A 19891109

Priority

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Abstract (en)

An automatic setting tool (16) operatively coupled to a standard, rotary-impact drill-hammer for driving the shaped shank of a single piece anchor (13) having an enlarged head (15) into a hole (10) drilled in masonry. The tool (16) includes a rod having a front striker section (17) and a rear holder section (18), a shoulder (20) being formed at the junction of these sections. The holder section (18) of the rod is adapted either to slip onto a drill bit (28) held in the chuck of the drill-hammer or to be directly gripped by this chuck, whereby the rod, as it is rotated by the drill-hammer, is caused periodically to undergo a forward and a reverse stroke. Telescoped over the striker (17) section and slidable thereon is a locator sleeve (21) that is urged by a helical spring (24) interposed between the shoulder and the sleeve to an initial position at which the sleeve projects beyond the front end of the rod to define therewith a socket for nesting the head (15) of the anchor. In operation, when the shank of the anchor is placed in the entry of the drilled masonry hole and the head thereof which is nested in the socket is struck by the striker section during each forward stroke to drive the shank further into the hole, the spring is then compressed and the depth of the socket is reduced without, however, dislodging the head of the anchor therefrom. As a consequence, the alignment between the tool and the anchor is maintained in the course of the driving action.

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B25D 17/00

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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