

Title (en)
Screw positioning and feeding device.

Title (de)
Schrauben Positionier- und Fördervorrichtung.

Title (fr)
Dispositif de positionnement et d'alimentation de vis.

Publication
EP 0626239 A1 19941130 (EN)

Application
EP 93850074 A 19930407

Priority
EP 93850074 A 19930407

Abstract (en)
A screw positioning and feeding attachment to a power screwdriver advances screws in a tape one-by-one as the preceding screw in a screw tape is screwed in by pushing a slide assembly (2), in contact with a board or sheet for example, into a slide housing (1). Different lengths of screws are accommodated by an adjustable extension (25) of the slide assembly (2). The proximal end (9) of the extension (25), at the end of its inward stroke, strikes against a spirally curved abutment disc (8) which can be rotated for fine adjustment of the final depth of the screw head. Since the extension (25) travelling in a groove in the slide housing (1) is directed towards the axis of rotation of the spirally curved disc, which always presents a nearly perpendicular striking surface, the disc will not be rotated out of adjustment by the repeated impact of the extension (25). <IMAGE>

IPC 1-7
B25B 23/04; C07D 498/18; C07D 498/22; C07D 498/04; C07H 19/01; A61K 31/33; A61K 31/70

IPC 8 full level
B25B 23/04 (2006.01)

CPC (source: EP)
B25B 23/045 (2013.01)

Citation (search report)
• [X] DE 4208715 A1 19920924 - MAKITA CORP [JP]
• [A] EP 0058986 A2 19820901 - NISCO INC [JP]

Cited by
US5662011A; US6109145A; WO9724205A1; US9616557B2; US10406661B2; US11673241B2

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0626239 A1 19941130

DOCDB simple family (application)
EP 93850074 A 19930407