

Title (en)
Multitool punch holder.

Title (de)
Mehrfachwerkzeughalter für Stanzstempel.

Title (fr)
Porte-outil multiple pour poinçons.

Publication
EP 0399337 B1 19940810 (EN)

Application
EP 90109135 A 19900515

Priority
US 35525289 A 19890522

Abstract (en)
[origin: EP0399337A1] A multitool punch holder in which a tool carrier (22) holds a circumferential array of punches (76) in a corresponding series of bores. Each punch (76) is attached to a stem rod (50) having an upper end protruding above the tool carrier (22). The tool carrier (22) is rotated by an index drive (102,104, 106, 108) so as to bring a selected one of the stem rods (50) beneath a ram drive feature (100) protruding radially outward to lie above of the stem rod ends (52). The tool carrier (22) is coupled to the ram (14) by a head member (20) which is telescopically received therein allowing the ram (14) to continue its descent after contact of the tool carrier (22) with the workpiece, the ram (14) having a feature (100) engaging a selected stem rod end (52) lying beneath the ram drive feature (100) to cause advance of the attached punch (76) against the resistance of an encircling stripper spring (62).

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B21D 28/36

IPC 8 full level
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CPC (source: EP)
B21D 28/12 (2013.01); **B21D 28/125** (2013.01); **B30B 15/028** (2013.01); **B30B 11/08** (2013.01)

Cited by
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