

Title (en)

Upper tool holder for a punch or the like.

Title (de)

Oberer Werkzeugträger für eine Stanze od. dgl.

Title (fr)

Support d'outil supérieur pour un poinçon ou un élément similaire.

Publication

**EP 0266624 B1 19940302 (DE)**

Application

**EP 87115367 A 19871021**

Priority

DE 3637488 A 19861104

Abstract (en)

[origin: EP0266624A2] The invention relates to an upper tool holder (4) for a punch or the like, with at least two punching tools (5) arranged next to one another, preferably each punching tool (5) consisting of a punching ram (7), a ram holder (8) and a coupling nut (9) connecting the punching ram (7) to the ram holder (8), with a carrier body (10), with a receiving plate (11), with tool guides (12) for each punching tool (5) which are arranged next to one another in the receiving plate (11) and which extend in the punching direction, and with an especially pivotable closing cover (14) fastened to the carrier body (10), especially articulated pivotably about an articulation axle (13) and removable in a plane perpendicular to the punching direction, the upper ends of the punching tools (5) being guided in the tool guides (12) so as to be displaceable in the punching direction and so as to be limited in one direction by bearing flanges (15). In this upper tool carrier (4), the guidance of the punching tools (5) is not influenced by the attachment of the closing cover (14) to the carrier body (10), specifically in that the closing cover (14) comprises the receiving plate (11), in that the tool guides (12) are closed annularly in the plane perpendicular to the punching direction, and in that, when the closing cover (14) is removed, especially swung away, from the carrier body (10), the punching tools (5) can be pushed into the tool guides (12) or pulled out of the tool guides (12) in the punching direction or in the direction perpendicular to the receiving plate (11). <IMAGE>

IPC 1-7

**B21D 37/04**; **B21D 28/34**

IPC 8 full level

**B21D 28/34** (2006.01); **B21D 37/04** (2006.01); **B21D 37/14** (2006.01)

CPC (source: EP)

**B21D 28/34** (2013.01); **B21D 37/04** (2013.01)

Citation (examination)

DE 1502721 A1 19700108 - GILBOS CONST PVBA

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0266624 A2 19880511**; **EP 0266624 A3 19900117**; **EP 0266624 B1 19940302**; AT E102096 T1 19940315; BR 8705862 A 19880614; CA 1292422 C 19911126; DE 3637488 C1 19880225; DE 3789198 D1 19940407; ES 2050104 T3 19940516; JP H0472622 B2 19921118; JP S63123540 A 19880527; MX 161211 A 19900820

DOCDB simple family (application)

**EP 87115367 A 19871021**; AT 87115367 T 19871021; BR 8705862 A 19871103; CA 550945 A 19871103; DE 3637488 A 19861104; DE 3789198 T 19871021; ES 87115367 T 19871021; JP 25748487 A 19871014; MX 913587 A 19871104