

Title (en)

Coin embossing press with means for the universal guiding of the workpiece in the press.

Title (de)

Münzprägepresse mit Massnahmen für die allseitige Führung des Prägestückes in der Presse.

Title (fr)

Presse d'estampage de monnaie avec des moyens pour le guidage universel de la pièce d'estampage dans la presse.

Publication

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Application

EP 83107727 A 19830805

Priority

DE 3230958 A 19820820

Abstract (en)

1. Mintage press with a coining drive for the ram (12) and coining die (16), an ejector coining die (17), against which the coining die (16) can be pressed, with the blank (13) inserted in between and can yield to an extent relative to it, a drive, for the ejector movement of the ejector coining die (17) and a separate mechanism (18) for supplying the blank (13) and for taking away the finished coin, characterized in that the coining drive has a triangular lever (5) driven by a crankshaft (3) via a centre bearing (4), which triangular lever is articulated by its rear link bracket (7) to a linkage (8) and via the latter on the frame side to a linkage bearing (9) and by its front link bracket (6) via a thrust rod (11) to the ram (12), in that the linkage bearing (9) on the frame side is arranged on the side of the die centre line (15) of the coining die (16) opposite the side of the crankshaft (3), in that the distance from the centre of the rear link bracket (7) to the centre of the centre bearing (4) is greater than the maximum distance from the centre of the centre bearing (4) to the die centre line (15), measured along the line joining the centre of the centre bearing (4) to the centre of the rear link bracket (7), in that the distances from the centre of the front link bracket (6) to the centre of the rear link bracket (7) and from the centre of the front link bracket (6) to the centre of the centre bearing (4) are dimensioned such that the centre of the front link bracket (6) lies on the side of the die centre line (15) assigned to the linkage bearing (9) on the frame side when the centre bearing (4) is in a position which corresponds to the front dead centre (Tv) of the ram (12) and lies on the side of the die centre line (15) assigned to the crankshaft (3) when the centre bearing (4) is in a position which corresponds to the rear dead centre (Th) of the ram (12), and in that the drive of the ejector coining die (17) is derived from the ram drive via a deflection drive, which substantially consists of a first double-armed deflection lever (20) and a second double-armed deflection lever (21), each deflection lever (20, 21) having a rotation point (22, 23) on the frame side and an articulation point (24, 25) for the ram pick-off and for a thrust rod (26) and the first deflection lever (20) being articulated to the ram (12) and the second deflection lever (21) being articulated to the end (28) opposite the coining side (27) of the ejector coining die (17) by the ends remote from the articulation point (25) for the thrust rod (26).

Abstract (de)

Als Folge immer kürzerer Hubbewegungen des Stößels (12) werden auch die Zeiten für den Austausch des Prägefertigteiles (13) gegen einen Prägerohling immer kürzer. Der Austausch erfolgt über einen Zuführteller (18) und nach der Erfindung in einer Stillstandsphase des Stößels in seinem hinteren Totpunkt. Die Bewegung des Auswerferstempels (17) ist über ein Umlenkgestänge (20, 21, 36, 31) an die Bewegung des Stößels gekoppelt, so daß das Spiel des Prägefertigteiles für seine Ausstoßbewegung aus dem Werkzeug nach dem Prägen einstellbar ist.

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B44B 5/00

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