

Title (en)

Multipress operating head for sheet metal punching machine with numerical control

Title (de)

Mehr-Stößelbearbeitungskopf für eine numerische gesteuerte Maschine zum Stanzen von Blechen

Title (fr)

Tête de travail à poinçons multiples pour une machine à poinçonner des tôles à commande numérique

Publication

EP 1445042 A1 20040811 (EN)

Application

EP 04075317 A 20040203

Priority

IT MI20030218 A 20030207

Abstract (en)

A multipress operating head for sheet metal punching machine with numerical control is described comprising a plurality of hydraulic presses (1), close to each other and each one made up of a hydraulic cylinder (2) in which a respective piston (3) slides, and a plurality of punches (6) set into action by respective pistons (3). The pistons (3) are grouped into sets of pistons associated with a respective single position transducer (20) with unidirectional mechanical connection so that the transducer (20) follows the punching movement of any one of said pistons (3) while the other pistons (3) remain at rest. At least one of said pistons (3) is coupled to several punches (6) through a selector (22) so as to control each time the punching movement of a selected one of said punches (6). Said pistons (3) are operatively connected with said punches (6) so that said punches (6) rigidly follow the movement of said punching pistons (3) and have instead back strokes elastically controlled in a way independent from the position of said pistons (3). <IMAGE>

IPC 1-7

B21D 28/24; **B21D 28/26**

IPC 8 full level

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CPC (source: EP)

B21D 28/246 (2013.01); **B21D 28/26** (2013.01)

Citation (search report)

- [A] EP 0140373 A2 19850508 - DIETZ NC WERKZEUGSYSTEME [DE]
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