

Title (en)

Processing machine with movable work piece holding devices

Title (de)

Bearbeitungsmaschine mit bewegbaren Werkstückhaltevorrichtungen

Title (fr)

Machine d'usinage à dispositifs de fixation de pièce à travailler mobiles

Publication

EP 0703020 A3 19960605 (DE)

Application

EP 95113809 A 19950902

Priority

DE 9415514 U 19940924

Abstract (en)

[origin: EP0703020A2] The machine, in particular, in the form of a punching machine incorporates a toolhead (7) and a workpiece guide unit (4) which is movable relative to the toolhead, and has at least two workpiece holding elements (20). The drives of the holding elements are joined to the energy source via a switch (22) which moves together with the workpiece (5), and interacts with a stationary stop (21). The switch (22) is connected to the respective holding element (20), and is provided with a slider which in the position at the stop (21) is pressed against the latter. At least in one position, of the slider, the drive of the respective holding element is connected to the energy source. Analogously, at least in one other position of the slider, the drive of this holding element is disconnected from the energy source.

IPC 1-7

B21D 28/00

IPC 8 full level

B21D 28/02 (2006.01); **B21D 28/00** (2006.01); **B21D 28/04** (2006.01); **B21D 28/24** (2006.01); **B21D 43/11** (2006.01)

CPC (source: EP US)

B21D 28/04 (2013.01 - EP US); **B21D 43/11** (2013.01 - EP US); **Y10T 83/4632** (2015.04 - EP US); **Y10T 83/6563** (2015.04 - EP US); **Y10T 83/754** (2015.04 - EP US); **Y10T 83/7547** (2015.04 - EP US)

Citation (search report)

- [X] US 3174747 A 19650323 - MARTIN FRIEDLAND, et al
- [A] US 4297927 A 19811103 - KURODA NAOKI
- [A] EP 0534049 A1 19930331 - BEHRENS AG C [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 9, no. 264 (M - 423)<1987> 22 October 1985 (1985-10-22)

Cited by

CN110802181A

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

DE 9415514 U1 19941117; DE 59507990 D1 20000420; EP 0703020 A2 19960327; EP 0703020 A3 19960605; EP 0703020 B1 20000315; JP 2637065 B2 19970806; JP H08168836 A 19960702; US 5701791 A 19971230

DOCDB simple family (application)

DE 9415514 U 19940924; DE 59507990 T 19950902; EP 95113809 A 19950902; JP 24488795 A 19950922; US 53177795 A 19950921