

Title (en)
Device for deforming a workpiece

Title (de)
Vorrichtung zum Verformen eines Werkstücks

Title (fr)
Dispositif de deformage d'une pièce

Publication
EP 1762313 A1 20070314 (DE)

Appication
EP 06018129 A 20060830

Priority
DE 102005043498 A 20050912

Abstract (en)
The second tool (W2) has rigid connections with the drive. The rigid connection comprises traverses joining them. These are in the form of flat links. The traverse overlaps a tool (W1) between the drive (A) and the other tool (W2). One tool (W1) is connected to the other (W2) through a synchronous lever arrangement (16.1, 16.2). The synchronous lever assembly includes a synchronous balance (18) with fixed rotation center (19) and two ends. These are pivoted to synchronous levers (16.1, 16.2), one connected to the first tool and the other to the second tool. The rotation center is at the height of the workpiece. The drive (A) includes a piston cylinder unit (3), the cylinder being arranged on a plate (5). The cylinder plate can be moved along tie bars (2.1, 2.2). A spindle (12) penetrates the drive, which is connected to the tool (W1). The spindle penetrates the piston with an external thread, which engages an internal thread in the piston. The tools can also be moved along the tie bars. Each tool is in a casing. One casing is a feed casing (8). The casing rigidly connected to the drive serves as a hollow casing (9). Tie bars extend between the outer plates (13, 14). The spindle (12) penetrates an adjustment collar (11) in an outer plate (13).

IPC 8 full level
B21H 3/04 (2006.01)

CPC (source: EP)
B21H 3/04 (2013.01)

Citation (applicant)
• EP 0310898 B1 19911127
• EP 0310893 B1 19950719 - ASAHI GLASS CO LTD [JP]

Citation (search report)
• [XY] EP 1428597 A1 20040616 - NISSEI CO LTD [JP]
• [XY] EP 0947258 A2 19991006 - NISSEI CO LTD [JP]
• [XY] DD 200146 B
• [Y] US 5339669 A 19940823 - CRETIN MICHEL [FR], et al
• [A] DE 10244483 A1 20040408 - BAD DUEBEN PROFILWALZMASCHINEN [DE]
• [A] EP 0555631 A1 19930818 - WF MASCHINENBAU BLECHFORMTECH [DE]

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Designated extension state (EPC)
AL BA HR MK YU

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