

Title (en)
APPARATUS FOR PRODUCING PLATE FLANGES BY BENDING

Publication
EP 0353680 B1 19920617 (DE)

Application
EP 89114074 A 19890729

Priority
DE 3826310 A 19880803

Abstract (en)
[origin: EP0353680A2] The main starting point was that the workpiece (13) can be clamped between two holding punches (11, 12) designed as counter tools, a link (18) carries, at its two jaw edges, in each case one of two bending tools (24, 26), and a drive device (20) for essentially vertical tool movements is provided outside a drive device (19) for essentially horizontal tool movements. The intention is, with a small outlay, on the one hand to permit rapid switching to the other bending tool, and, on the other hand, to offer ample space for bending workpiece parts projecting a long way. The link (18) is therefore divided, in a manner of a hinge, into two cheeks (16, 17) which can pivot separately about the link axle (23) and each carry one of the two bending tools (24, 26), and a drive device (20, 21) is articulated on each of the two cheeks (16, 17) for essentially vertical tool movements. The drive device (20) assigned to the upper bending tool (24) is preferably designed for the larger maximum travel. The bending device can be employed universally in an enlarged field of use since wider plate flanges and, ultimately, more complicated edge profiles can be produced.
<IMAGE>

IPC 1-7
B21D 5/04

IPC 8 full level
B21D 5/04 (2006.01)

CPC (source: EP)
B21D 5/045 (2013.01)

Cited by
US5259231A; US6516648B1; ES2063658A2; EP0490828A1; EP0567193A1; ES2190298A1; EP1121996A3; EP0995509A1; CN108746268A; DE102019008118A1

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