

Title (en)
STAMPING AND BENDING TOOL AGGREGATE

Publication
EP 0121826 B1 19870722 (DE)

Application
EP 84102866 A 19840315

Priority
DE 3312671 A 19830408

Abstract (en)
[origin: US4607517A] A stamping and bending tool assembly is described for automatically making bent parts of wire or strip or like raw materials. The tool assembly comprises a plurality of bending carriages which are grouped around a circular tool carrier table with central work station and secured to the housing frame and are controlled by respective cams driven by a respective drive pinion engaged in a central ring gear. The central work station is preceded by at least one cutting tool working in timed sequence with the bending carriages and possibly by at least one take-in apparatus for raw material. The bending carriages together with the cutting tool and possibly with the take-in apparatus for raw material are combined on the circular tool carrier table to form a tool group unit positively driven by way of the central ring gear and the drive pinions in mesh therewith, and the tool carrier table is in the form of a quick replacement plate centrally connected to the housing frame and with which the mutual angular relationship obtaining during the operation of the tool assembly for all the tool drive pinions can be secured when the replacement plate is removed. By means of this high-power tool assembly, it is possible to minimize the prolonged down times hitherto necessarily occurring during replacement of the bending-shaping tool.

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B21D 5/00; B21F 1/00

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B21D 5/00 (2006.01); **B21F 1/00** (2006.01); **B21F 11/00** (2006.01)

CPC (source: EP US)
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