Title (en)

GRIPPER FEEDING DEVICE WITH PNEUMATICALLY OR HYDRAULICALLY OPERATED CRANK DRIVES

Publication

EP 0321602 B1 19911218 (DE)

Application

EP 87119094 A 19871223

Priority

EP 87119094 A 19871223

Abstract (en)

[origin: EP0321602A1] The device is intended, in particular, for the automatic feed of band, strip or profile-type material in presses, stamping machines or the like. <??>It is the task of the feeding device to push the material cyclically into the machine tool in time with the press, the feeding device determining not only the press characteristic but also the quality and complexity of the part to be produced. <??>When stamping with hydromechanical presses, for which the device was designed, known feeding devices prove to be too slow since the abovementioned presses have a particularly high idling speed and the band can only be moved freely in the tool for a very short period of time within the overall stroke time. <??>However, since there are no revolving driving units in the press, direct, positively driven take-off of the press characteristic for driving the feed, as known in high-speed presses, is impossible. <??>Investigations of gripper feeding devices and roller feeding devices, which both have certain advantages and certain disadvantages, have led to a design which combines the advantages of both systems and to a great extent avoids their disadvantages. <IMAGE>

IPC 1-7

B21D 43/11; B65H 20/18

IPC 8 full level

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CPC (source: EP US)

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Cited by

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