

Title (en)

FEEDING DEVICE FOR THE STEP-BY-STEP TRANSPORT OF MATERIAL AND/OR WORK PIECES, IN PARTICULAR IN PRESSES

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Application

EP 85100418 A 19850117

Priority

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Abstract (en)

[origin: US4650063A] The present invention relates to an advancement device particularly adapted for use in a press for step-wise transport of material or of a workpiece; two gripper rails spaced from one another extend therein along a transport path. The gripper rails are reciprocally movable together along an advancement direction, while being movable in respective opposite directions along a direction transverse to the advancement direction. Two longitudinal guides receive the gripper rails, respectively, and a transverse drive drives the longitudinal guides in the respective opposite directions along the transverse direction. An advancement sled is reciprocally movable along the advancement direction, and an advancement drive drives the advancement sled reciprocally along the advancement direction. The gripper rails are connected to the advancement sled rigidly along the advancement direction, but are movably connected thereto along the transverse direction. The improvement includes at least one drive being a wrap-around drive, which defines a drive direction, and wherein the wrap-around drive includes two rerouting rollers spaced from one another, each defining an axis of rotation extending approximately at right angles to the drive direction, a toothed belt guided over the rerouting rollers, and having oppositely movable belt strands, a transfer device movable along the drive direction, and a connecting arrangement rigidly connecting at least one of the strands to the transfer device, and wherein the transfer device is operatively connected to the gripper rails.

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