

Title (en)

Transfer device for transferring elongated workpieces such as pieces of wire and the application of such a device in a wire-working machine for manufacturing pins.

Title (de)

Transportvorrichtung zum Überführen länglicher Werkstücke wie Drahtstücke und Verwendung einer solchen Vorrichtung in einer Drahtverarbeitenden Stiftpresse.

Title (fr)

Dispositif de transfert pour le transport de pièces allongées, telles que des pièces en fils métalliques, et application d'un tel dispositif dans une machine de travail de fils métalliques pour la fabrication de pointes.

Publication

EP 0407656 B1 19940119 (DE)

Application

EP 89121113 A 19891115

Priority

DE 3922530 A 19890708

Abstract (en)

[origin: EP0407656A1] The invention relates to a transfer device for transferring elongated workpieces. The prior art comprises devices for transferring a plurality of workpieces transversely to their longitudinal axis successively from one processing station into at least one other processing station by means of an articulated conveyor belt, on which the workpieces can be clamped via their circumferential surfaces. The disadvantage of this transfer device is its inaccuracy in transferring and positioning the workpieces. The object of the invention is to transfer workpieces of various cross-sectional shapes accurately, even at high speed, into a particular position in a processing station. This object is achieved by two concurrently and adjacently running strands of two conveyor belts (12 and 28; 192) which are guided between the stations to ensure that the strands rest firmly on both sides of the transferred workpieces (52; 186), and by at least one toothed belt (12 or 28; 192) as conveyor belt, the tooth gaps (76 and 78 respectively) of which take up the workpieces (52; 186) individually. The advantage of this solution to the object is the accurate transfer of the workpieces and positioning of the latter without regard to workpiece peculiarities and the rhythm and speed of transfer of workpieces following closely upon one another. <IMAGE>

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IPC 8 full level

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