

Title (en)
DEVICE FOR ADJUSTING A METAL BAND IN A PROCESSING STATION

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EP 0132819 B1 19871223 (DE)

Application
EP 84108662 A 19840721

Priority
DE 3326955 A 19830727

Abstract (en)
[origin: EP0132819A1] 1. Device for aligning the centre position (58) of a metal strip (2, 3), which is running off a coil, with the centre position (59) of a machining station (55), comprising an adjusting device (8, 9, 11, 12, 13, 14) for transversely adjusting the metal strip (2, 3), a strip edge sensing device for detecting the two strip edges (7), the sensing means of which (17, 19 and 18, 21) are attached transversely to the direction of passage (6) of the metal strip (2, 3) behind one another on carriers (8, 9) which are adjustable with respect to one another in this direction (57) and symmetrically by equal distances, and comprising an evaluation circuit (41) for the signals coming from the sensing means (17, 18, 19, 21), for triggering an alignment movement of the metal strip (2, 3), characterized in that the carriers (8, 9) for aligning and guiding the metal strip (2, 3) can be placed against the strip edges (7) of the latter, that an actuator (14) and means (27 to 32) for controlling the actuator (14) are provided for adjusting the carriers (8, 9) at two traversing speeds of different rapidity towards one another and away from one another, and that the evaluation circuit (41) comprises circuit means for converting a signal, which is manually triggered via a key input (43), from an attachment set (4) or possibly internally in the circuit, into a rapid opening movement of the carriers (8, 9) with a subsequent rapid closing movement of the carriers (8, 9) which is automatically triggered following a signal via a measuring sensor (42) or following a signal of a manual input (43), for converting a signal of the sensing means (17, 18), which first detects one strip edge (7), into a slow closing movement of the carrier (8, 9) and for converting a signal of the sensing means (19, 21), which last detects the strip edge (7) opposite to the first strip edge (7), into a stop of the carriers (8, 9).

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Cited by
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