

Title (en)

GUIDE DEVICE FOR THE EDGES OR THE MIDDLE OF A WEB

Publication

EP 0117896 A3 19850821 (DE)

Application

EP 83109530 A 19830924

Priority

DE 3307499 A 19830303

Abstract (en)

[origin: US4648539A] A control device for guiding edges or a centerline of a material web which moves over rollers utilizes the difference between a desired position value and an actual position value, which actual position value is multiplied by a signal corresponding to the speed of the material web. A control signal is generated which is applied to a control element to reposition the web to obtain the desired positions for the edges or centerline. To make the control hunting-free, the error signal, formed of the actual value measured at a predetermined location, and the desired value is multiplied by the speed of the web and is delivered to a first control circuit for stabilization. A second control circuit, subordinate to the first, is provided between the output of an integrator and the correcting element and this second circuit comprises a position controller for the correcting element for receiving error signals which are formed of the output signal of the integrator representing the desired value, and the actual value of the correcting element.

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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [A] DE 1277419 B 19680912 - CONTINENTAL ELEKTRO IND AG
- [A] AUTOMATION, Band 13, Nr. 4, April 1966, Seiten 105-110, Penton Publishing Co., Cleveland, Ohio, US; S.L. SORSEN. "Basic techniques for controlling web position"

Cited by

EP0589089A1; US6353292B1; EP2722112B1

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