

Title (en)

Method for active compensation of vibrations in a print substrate processing machine and print substrate processing machine

Title (de)

Verfahren zur aktiven Kompensation von Schwingungen in einer Bedruckstoff verarbeitenden Maschine und Bedruckstoff verarbeitende Maschine

Title (fr)

Procédé de compensation active d'oscillations dans une machine de traitement de matière d'impression et machine de traitement de matière d'impression

Publication

EP 1815979 B1 20131023 (DE)

Application

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Priority

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Abstract (en)

[origin: US2007120514A1] For the active compensation of oscillations in a machine which processes printing material, a signal which contains an oscillation of the machine or of a part of the machine is measured and at least one counter torque is introduced into the machine to reduce the oscillation. At least one measure for a ratio between the amplitude of the uncompensated oscillation and the amplitude of the counter torque necessary for complete compensation is compared with a threshold value. The counter torque is determined in a first functional relationship with the oscillation if the measure is greater than the threshold value, and the counter torque is determined in a second functional relationship with the oscillation, if the measure is smaller than the threshold value. In the machine, a regulating device is operated in a first or second operating mode in dependence on the measure of the ratio.

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