

Title (en)

Process and apparatus for the damping of vibrations for rolls in contacting rotation

Title (de)

Verfahren und Vorrichtung zur Dämpfung von Kontaktschwingungen rotierender Walzen

Title (fr)

Procédé et appareil pour l'amortissement des vibrations de rouleaux en contact et en rotation

Publication

EP 0854233 A2 19980722 (DE)

Application

EP 97118892 A 19971030

Priority

DE 19652769 A 19961218

Abstract (en)

To dampen the oscillations of rollers in contact with each other, especially in a paper web coating assembly, an active damping action is generated as a phase displaced counter oscillation. It is applied directly or indirectly, externally, on at least one roller bearing mounting. Also claimed is a roller assembly with at least two rollers pressed together, to form a nip between them, with each roller supported on bearing mountings at their end sides. One of the rollers, forming the nip, can be given a swing movement. Actuators (10-12) apply an external active action through a phase displaced counter oscillation, directly and/or indirectly on at least one bearing mounting (7) of a roller (1,2).

Abstract (de)

Bei einem Verfahren und einer Vorrichtung zur Dämpfung von Kontaktschwingungen rotierender Walzen in einer Papiermaschine, insbesondere aber in einer Streicheinrichtung, wobei die Walzen stirnseitig in Lagerungen gehalten werden und mindestens zwei Walzen miteinander einen Nip bilden, erfolgt die Dämpfung aktiv, wobei die aktive Anregung (phasenversetzte Gegenschwingung) von außen direkt und/oder indirekt auf wenigstens eine Lagerstelle einer der Walzen wirkt. <IMAGE>

IPC 1-7

D21G 1/00; B05C 1/08; B05C 21/00

IPC 8 full level

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CPC (source: EP US)

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C-Set (source: EP US)

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