

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 A3 20000531 (DE)**

Application

**EP 97118892 A 19971030**

Priority

DE 19652769 A 19961218

Abstract (en)

[origin: EP0854233A2] 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).

IPC 1-7

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

IPC 8 full level

**F16F 15/02** (2006.01); **B05C 1/08** (2006.01); **B05C 21/00** (2006.01); **B05D 3/00** (2006.01); **D21G 1/00** (2006.01); **D21H 23/00** (2006.01); **D21H 23/56** (2006.01); **F16F 15/10** (2006.01)

CPC (source: EP US)

**D21G 1/008** (2013.01 - EP US); **B65H 2515/50** (2013.01 - EP US)

C-Set (source: EP US)

**B65H 2515/50** + **B65H 2220/01** + **B65H 2220/02**

Citation (search report)

- [E] US 5961899 A 19991005 - ROSSETTI DINO J [US], et al
- [E] EP 0819638 A2 19980121 - VOITH SULZER PAPIERMASCH GMBH [DE]
- [A] US 5201586 A 19930413 - ZIMMERMANN CLIFTON [US], et al
- [A] US 5077997 A 19920107 - WOLTERS HERMANN [DE], et al
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Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**US 6156158 A 20001205**; AT E252180 T1 20031115; DE 19652769 A1 19980625; DE 59710860 D1 20031120; EP 0854233 A2 19980722; EP 0854233 A3 20000531; EP 0854233 B1 20031015; JP H10202173 A 19980804; US 2001000065 A1 20010329; US 6419794 B2 20020716

DOCDB simple family (application)

**US 99044497 A 19971215**; AT 97118892 T 19971030; DE 19652769 A 19961218; DE 59710860 T 19971030; EP 97118892 A 19971030; JP 37001397 A 19971218; US 72933100 A 20001204