

Title (en)

Roll for processing a flat material and process for making such a processing roll

Title (de)

Walze zur Behandlung flacher Materialien und Verfahren zur Herstellung dieser Walze

Title (fr)

Rouleau de traitement de matière plane et procédé de fabrication d'un tel rouleau

Publication

**EP 1586703 B1 20091230 (DE)**

Application

**EP 05007346 A 20050405**

Priority

DE 102004019306 A 20040415

Abstract (en)

[origin: EP1586703A1] In a process to manufacture or repair a calander drum (11) with a metal core (15) bearing a series of packed textile discs side-by-side (13), ring grooves (23) are cut into the surface between adjacent discs. In the repair process a resin-soaked (30) fibre sleeve (35). The sleeve is fabricated of a plastic fibre strengthened textile of a minimum predetermined thickness on the drum. The sleeve acts as a foundation for a rubber mantle (37). The calander drum is used e.g. in a paper glazing process. The textile material (13) is e.g. cotton or paper held in compression by end-plates. The grooves (23) are cut 3 mm to 20 mm deep.

IPC 8 full level

**D21G 1/02** (2006.01); **D21F 3/08** (2006.01)

CPC (source: EP US)

**D21F 3/08** (2013.01 - EP US); **D21G 1/0233** (2013.01 - EP US); **Y10T 29/49547** (2015.01 - EP US); **Y10T 29/49549** (2015.01 - EP US); **Y10T 29/49554** (2015.01 - EP US); **Y10T 29/49563** (2015.01 - EP US)

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DOCDB simple family (publication)

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