

Title (en)

Method and arrangement for calendering a fibrous web coated on both sides

Title (de)

Verfahren und Anordnung zur Glättung einer beidseitig gestrichenen Faserstoffbahn

Title (fr)

Procédé et arrangement pour calandrer une bande de matière fibreuse couchée sur ses deux faces

Publication

**EP 1674615 A1 20060628 (DE)**

Application

**EP 05105829 A 20050629**

Priority

DE 102004062618 A 20041224

Abstract (en)

The fibrous web (1) passes through a coating unit (2, 3) to the drying unit (4). Following drying, the web is passed through two nips formed by cylindrical pressure rollers (5, 6) and glazing rollers (7, 8) with flexible roller casings which form elongated glazing nips. The web is heated on one or both sides in the glazing nips. It is moistened on at least one side before a nip. In the subsequent nip, the heated side of the web is moistened. The moistening unit (10, 11) applies preferably 1 g/m<sup>2</sup> at most, to the web. Drying takes place between coating and glazing. Before coating, the web is passed through at least one glazing nip formed by two glazing rollers (13) profiled transversely with respect to the direction of motion (12) under mechanical pressure. The coating medium contains organic and/or inorganic coating pigments. The coating resists temperatures of preferably at least 250[deg]C, reached during application. An independent claim is included for the corresponding method.

IPC 8 full level

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CPC (source: EP)

**D21G 1/006** (2013.01); **D21G 1/0093** (2013.01)

Citation (applicant)

- WO 02103109 A1 20021227 - METSO PAPER INC [FI], et al
- US 2004099391 A1 20040527 - CHING BOB [US], et al
- US 2003150339 A1 20030814 - KURTZ RUDIGER [DE]
- WO 0229159 A1 20020411 - METSO PAPER INC [FI], et al
- EP 1380686 A1 20040114 - VOITH PAPER PATENT GMBH [DE]

Citation (search report)

- [XY] WO 02103109 A1 20021227 - METSO PAPER INC [FI], et al
- [XY] US 2004099391 A1 20040527 - CHING BOB [US], et al
- [Y] US 2003150339 A1 20030814 - KURTZ RUDIGER [DE]
- [A] WO 0229159 A1 20020411 - METSO PAPER INC [FI], et al
- [A] EP 1380686 A1 20040114 - VOITH PAPER PATENT GMBH [DE]
- [A] US 5836242 A 19981117 - AABERG BO-CHRISTER [SE]

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EP1895050A1; CN110291248A; EP2090694A1; WO2019115440A1

Designated contracting state (EPC)

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