

Title (en)

Coating apparatus for applying a coating colour onto a paper web

Title (de)

Auftragswerk zum Auftragen von Streichfarbe auf eine Papierbahn

Title (fr)

Dispositif d'enduction pour déposer une couleur d'enduction sur une bande de papier

Publication

**EP 0570733 B1 19970827 (DE)**

Application

**EP 93106868 A 19930428**

Priority

DE 4216447 A 19920519

Abstract (en)

[origin: EP0570733A1] The invention relates to a coating apparatus for applying a coating colour onto a paper web, having the following features: 1.1 A coating member, for example a roll or a nozzle; 1.2 A back-up roll, which is wrapped around by the paper web and which forms with the coating member a coating zone; 1.3 A measuring device for measuring the thickness or the weight or the surface condition of the coating at several points of the width of the paper web (coating profile measurement). The invention is characterized by the following features: 1.4 The coating zone is preceded by means for controlling zone by zone the coating colour arriving in the coating zone with regard to a uniform coating profile over the width of the web; 1.5 The means serve for influencing zone by zone the throughput of coating colour on its flow path from the coating-colour inflow to the coating zone, or the temperature of the coating colour, or the consistency of the coating colour.

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IPC 8 full level

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CPC (source: EP US)

**D21H 23/78** (2013.01 - EP US)

Citation (examination)

- DE 3637452 A1 19880519 - PAGENDARM BESCHICHTUNGSTECHNIK [DE]
- US 4957770 A 19900918 - HOWARTH JOHN J [US]

Cited by

EP0829575A1; DE19524702C1; EP0930396A3; US6010078A; EP0822291A3; EP0896090A1; US6132807A; DE19715117A1

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