Title (en)

Curtain coater

Title (de)

Vorhangsbeschichter

Title (fr)

Enduiseuse à rideau

Publication

EP 1239078 A1 20020911 (DE)

Application

EP 02003073 A 20020213

Priority

DE 10110633 A 20010306

Abstract (en)

The coating process for a dry web of paper/cardboard to apply a coating of a liquid or paste medium, and especially a watery pigment suspension, uses a curtain applicator (2). The coating curtain (3) drops on to the outer surface (1b) of the moving web, to be drawn into the web by suction and be anchored within the web structure. The underpressure unit is located at the under surface (1a) of the web, at least at the point (P) where the coating curtain strikes the web surface. The web curtain coating applicator has a suction box to generate the underpressure, with a seal at the incoming and/or outgoing side e.g. as a scraper or brush, set against the web. The underpressure unit has a suction zone (5a) at the web support roller (4).

Abstract (de)

Bei einer Vorrichtung zum ein- oder beidseitigen Auftragen von flüssigem oder pastösem Auftragsmedium, insbesondere wässrige Pigmentsuspension, auf eine laufende Materialbahn, insbesondere auf eine Papier- oder Kartonbahn bei deren Herstellung und /oder Veredelung umfassend ist erfindungsgemäß vorgesehen, dass die Unterdruck-Erzeugungseinrichtung der vom Auftragsmedium-Vorhang abgewandten Seite der Materialbahn zumindest dem Bereich der Position P zugeordnet ist. <IMAGE>

IPC 1-7

D21H 23/48; B05C 5/00

IPC 8 full level

B05C 5/00 (2006.01); **D21H 23/48** (2006.01)

CPC (source: EP US)

D21H 23/48 (2013.01 - EP US); Y10S 118/04 (2013.01 - EP US)

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Designated contracting state (EPC)

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