

Title (en)

A CURTAIN COATING METHOD AND A DEVICE FOR APPLYING THE SAME

Title (de)

VORHANGBESCHICHTUNGSVERFAHREN UND VORRICHTUNG ZUR ANWENDUNG DES VERFAHRENS

Title (fr)

PROCEDE D'ENDUCTION A RIDEAU ET DISPOSITIF DE MISE EN OEUVRE DE CE PROCEDE

Publication

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Application

**EP 06708962 A 20060210**

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Abstract (en)

[origin: WO2006090008A1] The present invention relates to curtain coating method for coating a material web (W). In the method, coating agent (2) is applied from a curtain coater (1) located above the material web (W), moving supported by a support element (3), as a curtain-like flow (2) to a point of impact (22) on the surface of the material web (W), boundary layer air (4) being removed from the surface of the material web (W) at a point in front of the point of impact (22). Air (5) is supplied to the surface of the moving material web (W) at an oblique angle with respect to the material web (W), so that the airflow (5) has an opposite component with respect to the direction of travel of the material web (W). The pressure level in the impact point area (22) is controlled by supplying stabilising air (6) from a point in front of the impact point (22) to the impact point area (22) at an oblique angle with respect to the direction of travel of the material web (W), so that the airflow (6) has a component parallel to the direction of travel of the material web (W), and by removing the stabilising air (7) from a point before the stabilising air (7) inlet. A further object of the present invention is a device applying the method.

IPC 8 full level

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