

Title (en)

Method for coating a wet or glued ply paper

Title (de)

Verfahren zum Streichen eines feuchten oder beleimten lagenförmigen Papiers

Title (fr)

Procédé de couchage d'un papier humide ou encollé en forme de couche

Publication

EP 2098638 A2 20090909 (DE)

Application

EP 09002420 A 20090220

Priority

DE 102008012221 A 20080303

Abstract (en)

The method comprises producing a partially dewatered layer of paper (18) in a paper machine, spraying vortexed coating particle by a spraying device in the wet portion of a paper machine on non-moistened paper, and adhering the coating particles on the non-moistened paper. The spraying device is operated in which gas pressure is introduced in a line (4) and pressure change is produced in the line. The coating particle is carried away from a supply container (12) into the line and is swirled in order to spray subsequently through spraying nozzle (10) on the non-moistened paper. The method comprises producing a partially dewatered layer of paper (18) in a paper machine, spraying vortexed coating particle by a spraying device in the wet portion of a paper machine on non-moistened paper, and adhering the coating particles on the non-moistened paper. The spraying device is operated in which gas pressure is introduced in a line (4) and pressure change is produced in the line. The coating particle is carried away from a supply container (12) into the line and is swirled in order to spray subsequently through spraying nozzle (10) on the non-moistened paper. The paper is dried, pressed and/or rolled after applying the coating particles. The discharging of the coating particle from the line is adjustable through the spraying nozzle. The coating particle is applied in a quantity of up to 50 g/m² by the spraying nozzle on the paper that is moved during spraying parallel and/or vertical to the surface of the paper. An independent claim is included for a layered paper made of raw paper, raw paperboard or uncoated cardboard.

Abstract (de)

Die Erfindung betrifft ein Verfahren zum Streichen eines feuchten oder beleimten lagenförmigen Papiers aus Rohpapier, Rohpappe oder ungestrichenem Karton. Um eine effizientere Möglichkeit zum Streichen von Papier zur Verfügung zu stellen, umfasst das erfindungsgemäße Verfahren die folgenden Schritte - Aufbauen von Gasdruck in einer Leitung - Erzeugen eines Druckwechsels in der Leitung - Verwirbeln und Mitreißen von Streichpartikeln in die Leitung - Sprühen von verwirbelten Streichpartikeln aus der Leitung auf das Papier, wobei die Streichpartikel nach dem Aufsprühen auf der Oberfläche des Papiers anhaften.

IPC 8 full level

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CPC (source: EP)

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