

Title (en)

Device for guiding and drying a moving fibrous web

Title (de)

Vorrichtung zur Führung und Trocknung einer laufenden Faserstoffbahn

Title (fr)

Dispositif pour guider et sécher une bande fibreuse en mouvement

Publication

EP 1502991 B1 20090930 (DE)

Application

EP 04103162 A 20040705

Priority

DE 10335581 A 20030731

Abstract (en)

[origin: EP1502991A1] In a papermaking process a wet web (1) of coated paper or carton moves over a series of transverse box-shaped beams (3) with transverse air (7) outlets (3b) forming an air cushion (6) between the web and beams. The beam group (2) forms an arched array. An air suction outlet (4) is located between adjacent beams. also claimed is a commensurate paper/carton drying assembly in which the width (BD) of each beam (3) to the width (BS) of the suction gap (4) is: $2 \text{ BD/BS } 50$. The jet aperture (3b) is at an angle of 30 to 60 to the centre of the beam (3). Air emerges from the jet at 80 m/s and up to 450C. The jets are of any suitable shape.

IPC 8 full level

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CPC (source: EP)

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