

Title (en)

A moisturising device for a web of sheet material, in particular paper.

Title (de)

Befeuchtungsvorrichtung für bandförmiges Material, insbesondere Papier.

Title (fr)

Dispositif d'humidification d'une matière en bande, en particulier du papier.

Publication

EP 0405213 A2 19910102 (EN)

Application

EP 90111004 A 19900611

Priority

IT 6753789 A 19890630

Abstract (en)

The device serves to moisturise uniformly in a transverse direction a web of paper (2) translating at high speed, and consists of first and second counter-rotating cylinders (4, 5) between which the paper web passes in such a way as partly to wrap over a lateral surface of a first cylinder (5), cooling means (30) disposed within the first cylinder, and a condensation chamber (6) within which the first cylinder is partially housed in such a way as to delimit the interior thereof with its lateral surface, the said chamber being subdivided in the direction of the axis of rotation (10) of the first cylinder into a plurality of compartments (40) each of which is provided with means (50) for directing saturated steam against the said first cylinder.

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D21G 7/00

IPC 8 full level

D21F 7/00 (2006.01); **D21G 7/00** (2006.01)

CPC (source: EP)

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EP 0405213 A2 19910102; **EP 0405213 A3 19910904**; **EP 0405213 B1 19950329**; DE 69018135 D1 19950504; DE 69018135 T2 19951123; IT 1232534 B 19920219; IT 8967537 A0 19890630

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