

Title (en)

Process for moistening a fibrous web

Title (de)

Verfahren zur Befeuchtung einer Faserstoffbahn

Title (fr)

Procédé d'humidification d'une bande fibreuse

Publication

EP 1895050 B1 20090429 (DE)

Application

EP 07108110 A 20070514

Priority

DE 102006040688 A 20060830

Abstract (en)

[origin: EP1895050A1] The fibrous web (1) is subjected to treatment with wet steam from a nozzle (5) arrangement. This is carried out between two or more smoothing nips through which the web passes. The moistening device is located 10-100 cm before the nip. The mass ratio: liquid water/ vaporized water, is adjustable. Separate adjustment is provided in zones across the direction of web travel (4). Ratio adjustment is a function of the type of web, its weight and/or the operating speed. The nozzles are at right angles to the web, over its entire width. They are connected to a mixing chamber (6) supplied with saturated or superheated steam and boiling water or condensate. There are a number of mixing chambers. A control valve is included in each steam (7) and/or water condensate (8) supply line. A spacing of 10-100 cm intervenes in each case, between nozzles and web and between nozzles and smoothing nip.

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