Title (en)

METHOD FOR HYDRODYNAMIC IMPINGEMENT ON A WEB OF CONTINUOUS MATERIAL WITH WATER JETS AND NOZZLE BEAMS FOR PRODUCING LIQUID JETS

Title (de)

VERFAHREN ZUR HYDRODYNAMISCHEN BEAUFSCHLAGUNG EINER WARENBAHN MIT WASSERSTRAHLEN UND DÜSENBALKEN ZUR ERZEUGUNG VON FLÜSSIGKEITSSTRAHLEN

Title (fr)

PROCEDE D'APPLICATION HYDRODYNAMIQUE DE JETS D'EAU SUR UNE BANDE DE MATERIAU ET FAISCEAU DE BUSES CONCU POUR PRODUIRE DES JETS DE LIQUIDE

Publication

EP 1356147 A2 20031029 (DE)

Application

EP 01990506 A 20011205

Priority

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Abstract (en)

[origin: WO0248441A2] The nozzle beam on a device for producing liquid jets in order to impinge said jets upon the fibres of a web of continuous material guided along the beam consists of a beam housing extending along the working width of the continuous web of fibre material, whereby two longitudinal bores placed on top of each other are accommodated in said housing and are separated from each other by means of an intermediate wall provided with continuous boreholes. The nozzle strip required to produce the liquid jets is mounted in a liquid-tight manner in the lower part of the housing and is cross-flown by pressurized water. In order to enable more needle water to reach the fabric than is usual with such a construction, two strips of nozzles are mounted in a housing and must be provided accordingly with pressurized water. This construction also makes it possible to arrange a larger number of nozzle strips and therefore nozzle jets on a drum, which is advantageous with respect to the various needling effects obtained with a nozzle beam.

IPC 1-7

D04H 1/46

IPC 8 full level

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