Title (en)

NOZZLE BEAM WITH MEANS FOR SETTING WORKING WIDTH AND METHOD FOR SETTING THE WORKING WIDTH OF A NOZZLE STRIP

Title (de)

DÜSENBALKEN MIT MITTELN ZUR EINSTELLUNG DER ARBEITSBREITE SOWIE VERFAHREN ZUR EINSTELLUNG DER ARBEITSBREITE EINES DÜSENSTREIFENS

Title (fr)

BARRE A BUSES COMPORTANT DES ELEMENTS DE REGLAGE DE LA LARGEUR DE TRAVAIL ET PROCEDE DE REGLAGE DE LA LARGEUR DE TRAVAIL D'UNE BANDE A BUSES

Publication

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Application

EP 06706252 A 20060117

Priority

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- DE 102005005463 A 20050204

Abstract (en)

[origin: US7441315B2] The nozzle beam is arranged on a device for generation of liquid streams for the treatment of fibres of a material web running along the nozzle beam. The nozzle beam comprises an upper piece (4), running across the working width of the web and a lower piece (5), which runs out into a liquid outlet slot (10). According to the invention, a nozzle strip (14) is arranged below the liquid outlet slot (10) and an easily detachable so-called masking strip (18) is mounted directly above the above in a liquid-tight manner, when viewed in the flow direction of the water jet. A part of the nozzle outlet opening on the nozzle strip is covered by the masking strip (18) and a part is left free, whereby liquid jets emerge from the part left free and form a continuous liquid curtain. According to the invention, a nozzle strip (14) with a maximum stream width is fitted to the nozzle beam. When a reduced stream width is required, a corresponding masking strip (18) is fitted which covers the non-required nozzle drillings in the outer regions of the nozzle strip (14). A simple and economical adjustment of the working width is thus possible, only that energy required for the process is used and the components guiding the material web are protected. Furthermore, the splash water flow into the plant is avoided.

IPC 8 full level

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CPC (source: EP US)

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