

Title (en)

NOZZLE STRIP FOR GENERATING FLUID JETS FOR HYDRODYNAMIC CONSOLIDATION OF A SHEET OF MATERIAL AND SYSTEM FOR CONSOLIDATING SUCH A SHEET

Title (de)

DÜSENSTREIFEN ZUR ERZEUGUNG VON FLUIDSTRAHLEN ZUR HYDRODYNAMISCHEN VERFESTIGUNG EINER MATERIALBAHN SOWIE ANLAGE ZUR VERFESTIGUNG EINER SOLCHEN

Title (fr)

BANDE À BUSES DESTINÉE À LA GÉNÉRATION DES JETS DE FLUIDE PERMETTANT DE CONSOLIDER DE MANIÈRE HYDRODYNAMIQUE UNE BANDE DE MATIÈRE, AINSI QU'INSTALLATION DE CONSOLIDATION D'UNE TELLE BANDE

Publication

EP 4053320 B1 20231108 (DE)

Application

EP 22155647 A 20220208

Priority

DE 102021105196 A 20210304

Abstract (en)

[origin: CN115029868A] The invention relates to a nozzle strip for generating a fluid jet for the hydrodynamic reinforcement of a material web, comprising a plurality of nozzle holes arranged at a distance from one another in at least two rows for applying a fluid jet to the material web, the nozzle holes being introduced as inclined holes into the nozzle strip, the nozzle strip is configured in such a way that the longitudinal axes of the nozzle holes of the same row directly adjacent to each other and the longitudinal axes of the nozzle holes of the directly adjacent row directly opposite to each other extend obliquely relative to each other. The invention further relates to a device for reinforcing a material web, comprising at least one nozzle bar and a nozzle strip which can be connected to the nozzle bar in a fluid-conducting manner for generating a fluid jet for hydrodynamically reinforcing the material web, the nozzle strip being designed according to the invention.

IPC 8 full level

D04H 18/04 (2012.01)

CPC (source: CN EP)

D04H 18/04 (2013.01 - CN EP)

Cited by

US2023095206A1; US11712709B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 4053320 A1 20220907; EP 4053320 B1 20231108; CN 115029868 A 20220909; DE 102021105196 A1 20220908

DOCDB simple family (application)

EP 22155647 A 20220208; CN 202210186432 A 20220228; DE 102021105196 A 20210304