Title (en)

AUXILIARY BLOW NOZZLE FOR AN AIR JET WEAVING MACHINE

Title (de)

HILFSBLASDÜSE FÜR EINE LUFTDÜSENWEBMASCHINE

Title (fr)

BUSE DE SOUFFLAGE AUXILIAIRE DESTINEE A UN METIER A TISSER A BUSE D'AIR

Publication

EP 0968327 A1 20000105 (DE)

Application

EP 98965080 A 19981118

Priority

- DE 9803412 W 19981118
- DE 19751354 A 19971120

Abstract (en)

[origin: DE19751354C1] The invention relates to an auxiliary blow nozzle for air jet weaving machines which permits a symmetric division of the warp, said division protecting the structure of the warp threads, when the blow nozzle is immersed in the warp. To this end, an envelope curve (5) which describes the free end (1b) of the nozzle body (1) and which has a radius (R1) runs at an angle (alpha) relative to the longitudinal axis (4a) of the approximately elliptic cross-section of a nozzle body end area (1a). The surfaces (6, 7) originating from the envelope curve (5) slope downward on both sides to the outer periphery (4) in a manner similar to a roof, and said surfaces (6, 7) thus enclose an angle (beta). The respective surface (6, 7) having a radius (R2) graduates into the outer periphery (4). A radius (R3) connects radius (R1) of the envelope curve (5) to the outer periphery (4), and each surface (6, 7) constructs an arc-shaped surface section (6a, 7a) which slopes downward at an angle (gamma) relative to the outer periphery (4). The graduations of said surface sections into the adjacent surfaces (6, 7) and into the outer periphery (4) are rounded.

IPC 1-7 (main, further and additional classification)

D03D 47/30

IPC 8 full level (invention and additional information)

D03D 47/30 (2006.01)

CPC (invention and additional information)

D03D 47/302 (2013.01)

Citation (search report)

See references of WO 9927171A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI PT

DOCDB simple family

DE 19751354 C1 19990617; AT 201728 T 20010615; DE 59800797 D1 20010705; EP 0968327 A1 20000105; EP 0968327 B1 20010530; JP 2000508391 A 20000704; US 6138719 A 20001031; WO 9927171 A1 19990603