

Title (en)

Air jet and process for diminishing or deleting the twist momentum of a textured yarn

Title (de)

Blasdüse sowie Verfahren zum Verringern oder Beseitigen des Torsionsmomentes eines falschdralltexturierten Garnes

Title (fr)

Injecteur et procédé pour diminuer ou supprimer la force vive de torsion d'un fil texturé

Publication

EP 0532458 B1 19960925 (DE)

Application

EP 92810623 A 19920814

Priority

CH 271791 A 19910912

Abstract (en)

[origin: EP0532458A1] The device contains a blowing nozzle (14) with a continuous yarn channel (16), into which air-supply bores (17, 18, 19) open laterally. The axes of the bores (17, 18, 19) are spaced from the axis of the yarn channel (16), so that the compressed air supplied forms an eddy in the yarn channel (16). A threading-in slot (24) likewise opens laterally into the yarn channel (16). The textured yarn, which leaves a heating zone downstream of a twist transmitter and belonging to the texturing apparatus, is guided through the yarn channel (16). The air eddy in the yarn channel (16) imparts a twist to the yarn running through the heating zone. This twist reduces the torsional moment which is present in the textured yarn leaving the said twist transmitter. With reduced torsional moment, the textured yarn can be further processed more easily. <IMAGE>

IPC 1-7

D02J 1/08; **D02G 1/02**

IPC 8 full level

D02J 1/00 (2006.01); **D01H 1/115** (2006.01); **D02G 1/02** (2006.01); **D02G 1/16** (2006.01); **D02J 1/08** (2006.01)

CPC (source: EP KR)

D02G 1/0266 (2013.01 - EP); **D02G 1/16** (2013.01 - KR); **D02J 1/08** (2013.01 - EP)

Citation (examination)

US 3785135 A 19740115 - STODDARD R, et al

Cited by

US5950290A; DE10003216C1; CN1095885C; US6301870B1; US7581376B2; WO2007048546A1; WO9909239A1; WO0047804A1; DE102008008516A1; DE102008008516B4; US7454816B2; US7559121B2

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0532458 A1 19930317; **EP 0532458 B1 19960925**; CN 1043433 C 19990519; CN 1072970 A 19930609; DE 59207236 D1 19961031; JP 3093473 B2 20001003; JP H07189068 A 19950725; KR 100200403 B1 19990615; KR 930006203 A 19930421; RU 2041982 C1 19950820

DOCDB simple family (application)

EP 92810623 A 19920814; CN 92110666 A 19920911; DE 59207236 T 19920814; JP 24200792 A 19920910; KR 920015994 A 19920903; SU 5052680 A 19920911