

Title (en)

APPARATUS AND PROCESS FOR CRIMPING FIBERS

Publication

EP 0507847 A4 19930127 (EN)

Application

EP 91902323 A 19901031

Priority

US 9006314 W 19901031

Abstract (en)

[origin: WO9207982A1] An apparatus and process for crimping and permanently heat setting a fiber or tow without imparting stress or tension on the fiber or tow comprising a conveying means (11) having a multiplicity of openings, means for supplying the fiber or tow to the conveying means (28), means for inserting (13) the fiber or tow (18) into the openings of the conveying means whereby the fiber is retained in a nonlinear shape in the openings without stress or tension, and a heating zone (17) through which the conveying means and fiber or tow pass for heat setting the fibers or tow.

IPC 1-7

D02G 1/00; D02G 1/04; D02J 1/00

IPC 8 full level

D01F 9/22 (2006.01); **D01F 9/32** (2006.01); **D02G 1/00** (2006.01); **D02G 1/04** (2006.01); **D02G 1/20** (2006.01)

CPC (source: EP)

D01F 9/22 (2013.01); **D01F 9/225** (2013.01); **D01F 9/32** (2013.01); **D02G 1/004** (2013.01); **D02G 1/205** (2013.01)

Citation (search report)

- [Y] US 3526938 A 19700908 - GRABHER ERICH
- [Y] GB 562520 A 19440705 - AMERICAN VISCOSE CORP
- [A] US 4868037 A 19890919 - MCCULLOUGH JR FRANCIS P [US], et al
- See references of WO 9207982A1

Designated contracting state (EPC)

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