

Title (en)

Method and device for crimping a multifilament yarn with a stufferbox

Title (de)

Verfahren und Vorrichtung zum Stauchkräuseln eines multifilen Fadens

Title (fr)

Procédé et dispositif de frilage par compression d'un fil multifilament

Publication

EP 1614782 A1 20060111 (DE)

Application

EP 05014732 A 20050707

Priority

DE 102004033683 A 20040709

Abstract (en)

A stufferbox chamber (19) is fed with yarn driven by a number of angled fluid jets (16.1, 16.2) aimed into the feed duct (3). The directions of individual jets are different, e.g. they can be central (16.1) or tangential (16.2), and they are separately pressure- and temperature (24.1, 24.2)-controlled. Various combinations of tangential and central action are obtained by adjusting the supply pressure or the fluid supply duct cross-section. An independent claim is also included for a pneumatic stufferbox installation with separate pressure control or different supply channel section for each driving jet (16.1, 16.2). Alternatively a controlled bleed connection leading to the stufferbox vent can be provided.

IPC 8 full level

D02G 1/12 (2006.01); **D02G 1/16** (2006.01); **D02G 1/20** (2006.01)

CPC (source: EP US)

D02G 1/122 (2013.01 - EP US); **D02G 1/16** (2013.01 - EP US); **D02G 1/20** (2013.01 - EP US)

Citation (search report)

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- [DA] DE 4435923 A1 19950420 - BARMAG BARMER MASCHF [DE]
- [A] WO 9937838 A1 19990729 - DU PONT [US]
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