

Title (en)

Ceramic nozzle and apparatus for stuffer-box crimping of a synthetic multifilament yarn

Title (de)

Keramikdüse und Vorrichtung zum Stauchkräuseln eines synthetischen multifilen Fadens

Title (fr)

Buse en céramique et dispositif de frisage par boîte de bourrage d'un fil synthétique multifilamentaire

Publication

EP 1634982 A1 20060315 (DE)

Application

EP 05018450 A 20050825

Priority

DE 102004043773 A 20040910

Abstract (en)

In a process to convert straight synthetic multifilament fibres to wrinkled fibres by curling action in a jet, the multifilament fibres are fed to a jet (2) with two formed ceramic parts (1). The ceramic parts consist of two flat plates with precisely formed interlocking parts (5, 26, 8, 29). The two ceramic parts form a jet tip within the fibre feed duct. Each half (1) of the ceramic jet has circular drill holes that receive matching locating pins passing through both halves. Each half of the ceramic plate has a semi-circular groove that on assembly forms part of the fibre duct.

IPC 8 full level

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

CPC (source: EP US)

D02G 1/122 (2013.01 - EP US); **D02G 1/161** (2013.01 - EP US)

Citation (search report)

- [DA] WO 03004743 A1 20030116 - NEUMAG GMBH & CO KG [DE], et al
- [A] DE 19809600 C1 19991021 - HEBERLEIN FASERTECH AG [CH]

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Designated contracting state (EPC)

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