

Title (en)
SPINNERET

Title (de)
SPINNDÜSE

Title (fr)
FILIERE

Publication
EP 1440188 B1 20061102 (DE)

Application
EP 02800100 A 20020920

Priority
• DE 10148191 A 20010928
• EP 0210565 W 20020920

Abstract (en)
[origin: WO03029534A1] The invention relates to a spinneret for melt spinning a plurality of extruded filaments. Several internal parts, which comprise at least one inlet piece (2) and a spinneret body (3), are distorted in relation to each other inside a housing (1) by means of a screwing means. Said inlet piece (2) forms a melt inlet (5) and the spinneret body (3) forms a melt outlet by means of a plurality of spinneret holes (4). The aim of the invention is to obtain a self-sealing between said internal parts in operation. Said aim is achieved, whereby an expansion body (8) is arranged between the housing (1) and one of the internal parts (6). Said expansion body (8) is made from a material, which has a thermal expansion coefficient higher than the housing material and, on heating, generates a force of pressure inside said housing (1) to permit a self-sealing distortion of the internal parts.

IPC 8 full level
D01D 4/00 (2006.01); **D01D 4/08** (2006.01); **B29C 48/345** (2019.01)

CPC (source: EP US)
D01D 4/00 (2013.01 - EP US)

Cited by
DE102013220008B4

Designated contracting state (EPC)
CH DE IT LI

DOCDB simple family (publication)
WO 03029534 A1 20030410; CN 1296530 C 20070124; CN 1558968 A 20041229; DE 50208620 D1 20061214; EP 1440188 A1 20040728; EP 1440188 B1 20061102; JP 2005504191 A 20050210; US 2004228939 A1 20041118; US 7172401 B2 20070206

DOCDB simple family (application)
EP 0210565 W 20020920; CN 02818738 A 20020920; DE 50208620 T 20020920; EP 02800100 A 20020920; JP 2003532740 A 20020920; US 81212304 A 20040329