

Title (en)  
SELF-SEALING COMPACT SPINNERET FOR A MELT SPINNING PROCESS

Title (de)  
SELBSTDICHTENDE KOMPAKTDÜSE FÜR SCHMELZSPINNVERFAHREN

Title (fr)  
FILIERE COMPACTE AUTO-ETANCHE POUR PROCEDE DE FILAGE A FUSION

Publication  
**EP 1208250 B1 20031126 (DE)**

Application  
**EP 00942123 A 20000624**

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Abstract (en)  
[origin: US6716016B1] The invention relates to a spinneret for spinning thermoplastics. Said spinneret comprises a central polymer inlet channel, a filter assembly (2), consisting of one or more filter plates of various filtration grades, a spinneret plate (3) and a housing (1) which receives and tightly surrounds the filter assembly (2) and the spinneret plate (3). The selection of suitable materials and tolerances for the individual parts of the spinneret enables the sealing effect to be achieved at operating temperature by the increased expansion of the internal components, in relation to the external housing.

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IPC 8 full level  
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**D01D 1/106** (2013.01 - EP US); **D01D 4/00** (2013.01 - EP US); **D01D 4/08** (2013.01 - EP US)

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**US 6716016 B1 20040406**; AT E255177 T1 20031215; AU 5685100 A 20010219; DE 19935982 A1 20010201; DE 50004580 D1 20040108; EP 1208250 A1 20020529; EP 1208250 B1 20031126; WO 0109413 A1 20010208

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