

Title (en)  
FILTERING DEVICE AND SPINNING HEAD

Title (de)  
FILTERVORRICHTUNG UND SPINNKOPF

Title (fr)  
DISPOSITIF DE FILTRATION ET TETE DE FILAGE

Publication  
**EP 1093535 A1 20010425 (DE)**

Application  
**EP 99927841 A 19990602**

Priority  
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• EP 9903814 W 19990602

Abstract (en)  
[origin: DE19825532A1] The invention relates to a filtering device for a spinning head (10) for producing plastic threads and to the spinning head itself (10). The spinning head has a housing (12) in which the plastic melt flows through a filter element (18) under pressure before exiting the spinnerets. Said filter element is provided with a filtering material (20) that is subjected to an axial contact pressure through a distributor device (22), according to the degree of pressure of the melt. This contact pressure acts upon the sealing edges (26, 28) of the filter element (18), the sealing gaps (24) being closed. The special geometrical configuration of the filter element (18) and/or its elasticity guarantee advantageous filtering in terms of energy. The filtering system is resistant to pressure and provides good, permanent sealing.

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IPC 8 full level  
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