

Title (en)
EXTRUSION PUMP

Title (de)
SPINNPUMPE

Title (fr)
POMPE DE FILATURE

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Application
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Abstract (en)
[origin: WO0034554A1] The invention relates to an extrusion pump for conveying a liquid polymer melt. A drive shaft (3) is provided for driving the conveying means, which are embedded in a pump housing (1). Said drive shaft (3) penetrates the pump housing (1) in a bearing bore (5) and has an outlying end for connecting a drive unit. A cooling body (4) which is pressure-tightly connected to the pump housing (1) is used to seal the outwardly guided drive shaft (3). The cooling body (4) has a cooling shaft (10) which surrounds the drive shaft (3) with a narrow gap (9). The outer surface of the cooling shaft (10) is cooled by a cooling medium in order to influence the viscosity of the polymer melt at least in a partial section of the gap (9) between the drive shaft (3) and the cooling shaft (10).

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