

Title (en)

SPINNING DEVICE FOR SPINNING MOLTEN POLYMERS AND METHOD FOR HEATING SAID SPINNING DEVICE

Title (de)

SPINNVORRICHTUNG ZUM VERSPINNEN SCHMELZFLÜSSIGER POLYMERE UND VERFAHREN ZUM BEHEIZEN DER SPINNVORRICHTUNG

Title (fr)

DISPOSITIF DE FILATURE SERVANT A FILER DES POLYMERES EN FUSION ET PROCEDE POUR CHAUFFER CE DISPOSITIF DE FILATURE

Publication

EP 1190124 A1 20020327 (DE)

Application

EP 00936707 A 20000502

Priority

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Abstract (en)

[origin: US6736624B1] The invention relates to a spinning device in which liquid polymer is guided through a polymer line with a first heating jacket to a spinning pump with a second heating jacket. From said spinning pump, the polymer is transported through several lines to spinning packets and extruded through spinnerets to form filaments. The lines that are connected downstream of the spinning pump, the spinning packets and the spinnerets are located in at least one spinning housing through which heating fluid flows. There is a distance of 5 mm between the spinning housing through which the heating fluid flows and the first and second heating jackets and the spinning pump, to obtain thermal decoupling. According to a method for heating the spinning device, vaporous heating fluid is guided out of a first reservoir into the spinning housing, and heating fluid is guided out of a second reservoir into the first and/or second heating jacket. The temperature of the heating fluid that is supplied to the spinning housing is 10 to 40° C. higher than the temperature of the heating fluid that is supplied to the first and/or second heating jacket.

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Citation (search report)

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