

Title (en)  
SPINNER FOR SPINNING A SYNTHETIC THREAD

Title (de)  
SPINNVORRICHTUNG ZUM SPINNEN EINES SYNTHETISCHEN FADENS

Title (fr)  
DISPOSITIF DE FILAGE POUR FILER UN FIL SYNTHETIQUE

Publication  
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Application  
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Abstract (en)  
[origin: WO9967450A1] The invention relates to a spinner for spinning a synthetic thread. The thread is formed by grouping a plurality of filaments and by winding said filaments on a spool using a spooler mounted downstream from the spinner. An intake cylinder with a gas-permeable wall and a cooling tube are mounted underneath the spinneret. The cooling tube is connected to an airflow generator in such a way that an airflow is formed in the cooling tube in the direction of thread travel. The airflow is formed by a volume of air that flows to the cooling tube through the intake cylinder. According to the invention, the intake cylinder is subdivided into several zones in the direction of thread travel, each of which has a different gas permeability for controlling the volume of air entering into the intake cylinder. It is thereby possible to advantageously influence pre-cooling and the formation of the airflow.

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