

Apparatus for high speed spinning multifilament yarns and use thereof

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Abstract:

Apparatus and use thereof for melt spinning multifilament yarns from fibre-forming polymers at wind-up speeds of at least 2,000 m/min, comprising a spinnerette (2), a cooling means (4) for solidifying the filaments, a convergence element (6) for the filaments and a wind-up means (8) and having, at least between the spinnerette (2) and the convergence element (6), an essentially vertical spinline (A-A), characterized in that the cooling means is a porous tube (4) which is open in the spinning direction and concentric relative to the spinline (A-A) and neither upstream nor downstream of which are there any further means for charging and/or discharging a cooling medium.

Figure

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