Title (en)

SPINNERETTE FOR MELT-SPINNING FILAMENTS

Publication

EP 0300120 B1 19920506 (DE)

Application

EP 88102682 A 19840314

Priority

DE 3310521 A 19830323

Abstract (en)

[origin: US4645444A] A melt spinning apparatus is disclosed which is adapted for dividing a molten polymer into a plurality of streams to form synthetic filaments. The apparatus comprises a spin block assembly having two opposite sides, and two separate heating chambers disposed adjacent respective ones of the sides of the spin block assembly. The two heating chambers are interconnected by threaded members, so that the opposing surfaces of the chambers may be drawn together to clampingly engage the opposite sides of the spin block assembly therebetween. The formation of air gaps between the opposing surfaces, and which might hinder the heat transfer between the heating chamber and spin block, are thereby avoided. In one embodiment, the threaded members extend through spacers which are mounted between the heating chambers and between adjacent spin block assemblies, with the spacers being essentially thermally nonconductive, and so that substantially all the heat flow to each spin block assembly is received from the opposing side wall surfaces of the two heating chambers.

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D01D 4/02

IPC 8 full level

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CPC (source: EP US)

D01D 4/00 (2013.01 - EP US); **D01D 4/02** (2013.01 - EP US)

Cited by

DE4239560C2; EP0547704A1; US5387097A; EP0545375A3; US5662947A; EP0931863A3; EP0623693A3; WO9500684A1

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