

Title (en)

DEVICE AND METHOD FOR SPINNING DYED FIBERS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM SPINNEN FARBIGER FASERN

Title (fr)

DISPOSITIF ET PROCEDE POUR FILER DES FIBRES COLOREES

Publication

EP 1587972 A1 20051026 (DE)

Application

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Priority

- EP 2004000511 W 20040122
- DE 10303356 A 20030129

Abstract (en)

[origin: WO2004067816A1] Disclosed are a device and a method for spinning dyed fibers from a dyed polymer melt, in which an undyed polymer melt is created by means of a melt-creating apparatus. A liquid dye is admixed to the undyed polymer melt with the aid of a dye-dosing apparatus. A mixing unit is provided for incorporating the liquid dye and dyeing the polymer melt. The dyed polymer melt is then spun into fibers by means of a spinning apparatus. In order for the polymer melt to be dyed with great regularity even though the liquid dye remains therein only for a short period of time prior to the spinning process, the liquid dye and the polymer melt are mixed in several successive mixing processes, the mixing unit being formed by a mixing combination comprising at least one static mixer and at least one dynamic mixer.

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D01D 1/06

IPC 8 full level

D01D 1/06 (2006.01)

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Citation (search report)

See references of WO 2004067816A1

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