

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  
**EP 04704220 A 20040122**

Priority  
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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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