

Title (en)
COOLING SYSTEM FOR FILAMENT BUNDLES

Title (de)
KÜHLSYSTEM FÜR FILAMENTBÜNDEL

Title (fr)
SYSTEME DE REFROIDISSEMENT POUR FILS DE FILAMENTS CONTINUS

Publication
EP 1173634 B1 20040602 (DE)

Application
EP 00926823 A 20000406

Priority
• DE 19915762 A 19990408
• EP 0003067 W 20000406

Abstract (en)
[origin: US6652255B1] A cooling system for filament bundles, which are spun from polymer melt by at least two spinneret units (1) disposed one beside the other and are drawn off by a draw-off system (17), the filament bundles (3a, 3) being cooled in a three-part shaft (A, B, C) by an equidirectional air stream, and the cross-section of the individual shaft parts (A and B) tapering such that the flow rate of the air increases approximately to the same extent as the draw-off speed of the filament bundles (3a, 3).

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D01D 5/092

IPC 8 full level
D01D 5/092 (2006.01)

CPC (source: EP US)
D01D 5/092 (2013.01 - EP US); **Y10S 425/115** (2013.01 - EP US)

Cited by
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US 6652255 B1 20031125; AT E268394 T1 20040615; DE 19915762 A1 20001012; DE 50006689 D1 20040708; EP 1173634 A1 20020123; EP 1173634 B1 20040602; WO 0061842 A1 20001019

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US 93670101 A 20010911; AT 00926823 T 20000406; DE 19915762 A 19990408; DE 50006689 T 20000406; EP 0003067 W 20000406; EP 00926823 A 20000406