

Title (en)
Cooling filament yarns

Title (de)
Abkühlung von Filamentgarnen

Title (fr)
Refroidissement de fils de filaments

Publication
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Application
EP 04007196 A 20040325

Priority
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Abstract (en)
A filament spinning installation conventionally comprises a cooling chute to receive filaments from a spinneret and a blower for directing a stream of cooling air across the path of movement of the filaments in the chute. The filaments are mutually spaced in an array until they have solidified to a degree permitting collection to a thread and contact with devices for further processing of the thread. In a chute according to the invention, at least one element is provided to lead air from a location in the vicinity of the filament array to the exterior of the chute by diverting the air flow into a direction transverse to the length of the chute.

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D01D 5/092

IPC 8 full level
D01D 5/092 (2006.01)

CPC (source: EP)
D01D 5/092 (2013.01)

Citation (search report)
• [DX] US 5433591 A 19950718 - ZINGSEM MARTIN [DE], et al
• [A] US 6652255 B1 20031125 - BEECK HEINZ-DIETER [DE]
• [X] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 11 5 November 2003 (2003-11-05)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

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