

Title (en)

Apparatus for melt spinning and cooling of bundles of filaments

Title (de)

Vorrichtung zum Schmelzspinnen und Kühlen einer Filamentschar

Title (fr)

Dispositif pour le filage au fondu et refroidissement de faisceaux de filaments

Publication

EP 1275756 A3 20030326 (DE)

Application

EP 02013575 A 20020620

Priority

DE 10134003 A 20010712

Abstract (en)

[origin: EP1275756A2] Melt spinning and cooling unit comprises a spinning unit with a nozzle, a cooling unit, a blower unit, a movable screen and sensor units. An arrangement for melt spinning and cooling a filament assembly (3) comprises a spinning unit (1) with a ring shaped nozzle (4) for extruding the filament assembly, and a cooling unit (2) under the spinning unit, which has a holder (10). A blower unit (9) is connected to the holder and is held centrally to the nozzle and can be moved to a maintenance position. A movable screen (24) is located next to the blower unit and can be moved between a rest and a screening position immediately below the nozzle. The screen is moved by an actuator which is connected to a control unit. The latter has a sensor (27) that monitors the blower unit position. The blower unit and the holder can be moved axially between operating and maintenance positions, and the candle can be changed over when in the maintenance position.

IPC 1-7

D01D 5/088

IPC 8 full level

D01D 5/088 (2006.01)

CPC (source: EP US)

D01D 5/088 (2013.01 - EP US)

Citation (search report)

- [A] EP 0050483 A1 19820428 - FIBER INDUSTRIES INC [US]
- [A] EP 0957187 A2 19991117 - INVENTA AG [CH]
- [A] US 4098564 A 19780704 - MICHALSKI ARNOLD

Cited by

CN105332068A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1275756 A2 20030115; EP 1275756 A3 20030326; EP 1275756 B1 20080507; CN 1287014 C 20061129; CN 1400340 A 20030305; DE 10134003 A1 20030123; DE 50212208 D1 20080619; JP 2003073918 A 20030312; JP 4290934 B2 20090708; US 2003025239 A1 20030206; US 6918751 B2 20050719

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