

Title (en)

DEVICE AND METHOD FOR MELT SPINNING AND COOLING A GROUP OF FILAMENTS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM SCHMELZSPINNEN UND KÜHLEN EINER FILAMENTSCHAR

Title (fr)

DISPOSITIF ET PROCÉDÉ DE FILAGE À CHAUD ET DE REFROIDISSEMENT D'UN ENSEMBLE DE FILAMENTS

Publication

**EP 3209820 A1 20170830 (DE)**

Application

**EP 15784608 A 20151016**

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Abstract (en)

[origin: WO2016062626A1] The invention relates to a device and a method for melt spinning and cooling a group of filaments. The object of the invention is to spin as many filaments as possible in the smallest possible space, and to cool same in a uniform manner regardless. The object of the invention is achieved by means of a hollow cylindrical air cartridge having a porous inner cylinder as well as a porous outer cylinder. In this way, it is possible to guide filaments along and cool same, both inside and outside the air cartridge. This space-saving construction of a spinning and cooling device, in particular in the production of staple fibres, is particularly advantageous, in particular for economic reasons.

IPC 8 full level

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