

Title (en)

MELT-SPINNING METHOD AND MELT-SPINNING APPARATUS FOR PRODUCING A CRIMPED YARN

Title (de)

SCHMELZSPINNVERFAHREN UND SCHMELZSPINNVORRICHTUNG ZUR HERSTELLUNG EINES GEKRÄUSELTEN FADENS

Title (fr)

PROCÉDÉ ET DISPOSITIF DE FILAGE À CHAUD SERVANT À PRODUIRE UN FIL BOUCLÉ

Publication

EP 2888393 A1 20150701 (DE)

Application

EP 13747388 A 20130808

Priority

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- EP 2013066608 W 20130808

Abstract (en)

[origin: WO2014029627A1] The invention relates to a melt-spinning method and a melt-spinning apparatus for producing a crimped yarn. In this case, by spinning a plurality of filaments, at least one filament bundle is produced from a thermoplastic polymer, cooled, drawn and compressed by means of an air stream in a stuffer box to form a yarn plug, wherein the yarn plug is disentangled to form a crimped yarn and wound up to form a package. In order to be able to set the tendency to shrink and the crimp stability independently of one another on the crimped yarn, according to the invention, prior to crimping, the drawn filament bundle is heated to a relaxation temperature for relaxation in a first heat treatment and to a crimping temperature for preliminary temperature control in a second heat treatment. To this end, at least one further treatment means for heat treatment of at least one filament bundle prior to running into the stuffer box is provided between a drawing device and a texturing device.

IPC 8 full level

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CPC (source: CN EP US)

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Citation (search report)

See references of WO 2014029627A1

Citation (examination)

- WO 2014026902 A1 20140220 - OERLIKON TEXTILE GMBH & CO KG [DE]
- US 2011262683 A1 20111027 - MOCHIZUKI KATSUHIKO [JP], et al

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