

Title (en)

MELT SPINNING DEVICE AND METHOD FOR SPREADING A PLURALITY OF MULTIFILAMENT YARNS IN A MELT SPINNING DEVICE

Title (de)

SCHMELZSPINNVORRICHTUNG UND VERFAHREN ZUM ANLEGEN MEHRERER MULTIFILER FÄDEN IN EINE SCHMELZSPINNVORRICHTUNG

Title (fr)

DISPOSITIF DE FILAGE PAR FUSION ET PROCEDE POUR ETALER PLUSIEURS FILS MULTIFILAMENTS DANS UN DISPOSITIF DE FILAGE PAR FUSION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2006000429A1] The invention relates to a melt spinning device for a plurality of multifilament yarns and to a method for spreading a plurality of multifilament yarns in said melt spinning device. The melt spinning device used for producing multifilament yarns comprises a plurality of spinning nozzles for extruding a plurality of filament bundles, a preparation device for separately combining the filament bundles to individual yarns and a plurality of treatment devices. The filament bundles, when being extruded, are guided with a center distance and the yarns in the treatment device with a substantially smaller treatment distance. The aim of the invention is to provide an especially compact melt spinning device and to allow a rapid and uncomplicated threading of the filament bundles. For this purpose, a spreading aid comprising a plurality of separating yarn guides is mounted downstream of the preparation device in the thread path. The separating yarn guides are arranged at a yarn distance to each other which is substantially smaller than the center distance between the spinning nozzles. The filament bundles can thus be immediately separated by the movement of a manually guided suction device which withdraws the filament bundles directly from the spinning nozzles during spreading.

IPC 8 full level

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