Title (en)

SPINNING STATION EQUIPPED WITH A FIBER GUIDING ELEMENT

Title (de)

SPINNSTELLE EINER LUFTSPINNMASCHINE MIT EINEM FASERFÜHRUNGSELEMENT

Title (fr)

POSTE DE FILAGE DE MACHINE À FILER À JET D'AIR ÉQUIPÉ AVEC UN ÉLÉMENT DE GUIDAGE DE FIBRES

Publication

EP 3052683 A1 20160810 (DE)

Application

EP 14792855 A 20140901

Priority

- CH 16742013 A 20130930
- IB 2014001661 W 20140901

Abstract (en)

[origin: WO2015044728A1] The invention relates to a fiber guiding element for a spinneret (2) of an air-jet spinning machine which is used to produce a thread (3) from a fiber sliver (4). The fiber guiding element (1) has a main part (5) with an outer surface (6) which is used for bearing against a counter surface (7) of a spinneret (2) of the spinning station in order to allow the fiber guiding element (1) to be fixed in the region of an inlet opening (8) of the spinneret (2). The fiber guiding element (1) has an inner surface (9) which can be brought into contact with the fiber sliver (4) during the operation of the spinneret (2) and which is used to guide the fiber sliver. According to the invention, the inner surface (9) comprises multiple bulges (10), preferably bulges which are oriented radially inward, in a fiber guiding element (1) cross-section running perpendicularly to a central axis (11) of the fiber guiding element (1). At least some of the bulges (10) have a contour which tapers inwards at least in a front region (33) facing the central axis (11). The invention further relates to a spinning station of an air-jet spinning machine, comprising a corresponding fiber guiding element.

IPC 8 full level

D01H 1/115 (2006.01)

CPC (source: EP)

D01H 1/115 (2013.01)

Citation (search report)

See references of WO 2015044728A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

CH 708620 A1 20150331; CN 105765119 A 20160713; CN 105765119 B 20190517; EP 3052683 A1 20160810; EP 3052683 B1 20191218; WO 2015044728 A1 20150402

DOCDB simple family (application)

CH 16742013 A 20130930; CN 201480065390 A 20140901; EP 14792855 A 20140901; IB 2014001661 W 20140901