

Title (en)

DRAWING FRAME FOR A SPINNING MACHINE COMPRISING A COMPACTION DEVICE

Title (de)

STRECKWERK FÜR EINE SPINNMASCHINE MIT EINER VERDICHTUNGSVORRICHTUNG

Title (fr)

DISPOSITIF D'ÉTIRAGE POUR UN MÉTIER À FILER COMPRENANT UN DISPOSITIF DE COMPACTAGE

Publication

**EP 3724383 A1 20201021 (DE)**

Application

**EP 18814847 A 20181203**

Priority

- CH 15282017 A 20171215
- EP 2018083313 W 20181203

Abstract (en)

[origin: WO2019115265A1] The invention relates to a drawing frame for drawing a fibre composite (1), comprising: at least one first roller pair (2) consisting of a top roller (3) and a bottom roller (4); a second roller pair (5) consisting of an output top roller (6) and an output bottom roller (7); and a fibre compaction arranged downstream of the output roller pair (5) for compacting the drawn fibre composite, said fibre compaction having a pneumatic compaction device with a fibre bundling zone (8) and with a suction pipe (9) around which a screen element (21) is wrapped and which can be subjected to suction. A first clamping point (K1) is defined by the first roller pair (2) and a second clamping point (K2) is defined by the second roller pair (5), wherein the first clamping point (K1) and the second clamping point (K2) form a drawing field plane (24) through which the fibre composite (1) passes in a running direction (15) from the first clamping point (K1) to the second clamping point (K2). The output top roller (6) has, as seen in the drawing field plane (24) in the running direction (15) of the fibre composite (1), a curtain (A) relative to the output bottom roller (7). A third clamping point (K3) is defined by the output top roller (6) and the screen element (21), wherein a clamping length (B) from the second clamping point (K2) to the third clamping point (K3) along a surface of the output top roller (6) is less than an average staple length of the fibre composite (1) to be drawn.

IPC 8 full level

**D01H 5/72** (2006.01)

CPC (source: CH EP)

**D01H 1/025** (2013.01 - CH); **D01H 5/72** (2013.01 - CH EP)

Citation (search report)

See references of WO 2019115265A1

Cited by

DE102021126795A1

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)

**WO 2019115265 A1 20190620**; CH 714445 A1 20190628; CN 111465728 A 20200728; CN 111465728 B 20220819; EP 3724383 A1 20201021; EP 3724383 B1 20230125

DOCDB simple family (application)

**EP 2018083313 W 20181203**; CH 15282017 A 20171215; CN 201880080251 A 20181203; EP 18814847 A 20181203