

Title (en)
DRAFTING UNIT FOR A SPINNING MACHINE COMPRISING A COMPACTION DEVICE, AND METHOD FOR COMPACTING A FIBRE BUNDLE

Title (de)
STRECKWERK FÜR EINE SPINNMASCHINE MIT EINER VERDICHTUNGSVORRICHTUNG UND VERFAHREN ZUR VERDICHTUNG EINES FASERVERBANDES

Title (fr)
BANC D'ÉTIRAGE POUR MACHINE À FILER AYANT UN DISPOSITIF DE COMPACTAGE ET PROCÉDÉ DE COMPACTAGE D'UN RUBAN DE FIBRES

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Application
EP 18815979 A 20181203

Priority
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• EP 2018083350 W 20181203

Abstract (en)
[origin: WO2019115270A1] The invention relates to a drawing frame (2) for a spinning machine for drawing a fibre composite (1), said drawing frame comprising: at least one first roller pair (6) consisting of a top roller (7) and a bottom roller (8); a second roller pair (9) consisting of an output top roller (11) and an output bottom roller (12), wherein a first clamping point (K1) is defined by the first roller pair (6) and a second clamping point (K2) is defined by the second roller pair (9), and the first clamping point (K1) and the second clamping point (K2) form a drawing field plane (4) through which the fibre composite (1) passes in a running direction (3) from the first clamping point (K1) to the second clamping point (K2); a fibre compaction zone, arranged downstream of the output roller pair (9), for compacting the drawn fibre composite, said zone having a pneumatic compaction device with a fibre bundling zone (20) and with a suction tube (21) around which a screen element (22) is wrapped and which can be subjected to suction, wherein the fibre bundling zone (20) is delimited by the second clamping point (K2) and a third clamping point (K3), and the third clamping point (K3) is formed by the output top roller (10) and the screen element (22). The suction tube (21) has a slot-shaped suction opening (24) having a length (L) of 2.0 mm to 5.0 mm which is located in the fibre bundling zone (20), wherein the slot-shaped suction opening (24) is located in the suction tube (21) on an end of the suction tube (21) facing the second clamping point (K2) in the direction of the third clamping point (K3).

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