

Title (en)
PREPARATORY SPINNING MACHINE FOR PRODUCING A ROVING AND METHOD FOR PIECING A FIBRE SLIVER

Title (de)
VORSPINNMASCHINE ZUR HERSTELLUNG EINES VORGARNS SOWIE VERFAHREN ZUM ANSPINNEN EINES FASERVERBANDS

Title (fr)
BANC À BROCHES DESTINÉ À FABRIQUER UNE MÈCHE ET PROCÉDÉ PERMETTANT DE COMMENCER À FILER UN ASSEMBLAGE DE FIBRES

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Abstract (en)
[origin: WO2013003962A1] The invention relates to a preparatory spinning machine for producing a roving (1) from a fibre sliver (2), wherein the preparatory spinning machine comprises at least one spinning station (3), which comprises a vortex chamber (4) with an inlet opening (5) for the fibre sliver (2) and a roving-forming element in the form of a spindle (6) having an inlet port (10) and extending at least partially into the vortex chamber (4). The vortex chamber (4) has spinning jets (19) associated therewith, via which air can be conducted into the vortex chamber (4) in order to impart a producer twist to the fibre sliver (2) after a piecing process in the region of the inlet port (10). The spindle (6) has a draw-off channel (9), via which the roving (1) provided with the producer twist can be drawn out of the vortex chamber (4). According to the invention the vortex chamber (4) additionally has piecing nozzles (8) associated therewith, wherein the piecing nozzles (8) each have a flow direction that is oriented in the direction of the inlet port (10) of the spindle (6). The invention further relates to a method for piecing a fibre sliver (2) on a preparatory spinning machine serving to produce a roving (1), which method is characterised in that during the piecing process the fibre sliver (2) is moved in a linear movement into the draw-off channel (9) with the aid of the air flow generated by the piecing nozzles (8), and in addition to the linear movement a producer twist is imparted to the fibre sliver (2) with the aid of the air flow.

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