

Title (en)

FIBRE BUNDLE OPENING DEVICE FOR AN OPEN-END SPINNING DEVICE

Title (de)

FASERBANDAUFLOESEINRICHTUNG FÜR EINE OFFENEND-SPINNVORRICHTUNG

Title (fr)

DISPOSITIF D'EFFILOCHAGE D'UN RUBAN DE FIBRES POUR UN DISPOSITIF DE FILAGE À BOUT LIBRE

Publication

EP 3754062 B1 20220126 (DE)

Application

EP 20180129 A 20200616

Priority

DE 102019116584 A 20190619

Abstract (en)

[origin: CN112111814A] Fibre band opening device for an open-end spinning device and feed tray for the fibre band opening device are provided. The feed tray (11) has a clamping surface (10), which is designed to transport, in conjunction with a fibre band pull-in cylinder (7), a feed fibre band (4) towards an opening roller (2) having an opening roller clothing (3), the tips (12) of which lie on a circular cylindrical surface, a support surface (14) for fixing a fibre tuft, which is processed by the opening roller (2) by combining, the distance of which support surface from the circular cylindrical surface (13) is tapered in the fibre transport direction to a minimum distance, and a transition area (20) having a convex curvature between the clamping surface (10) and the support surface (14). The support surface (14) has a distance (18) of between 4 and 8 millimetres from the circular cylindrical surface (13) at the beginning of the support surface (14) with respect to the fibre transport direction, and the minimum distance (19) of the support surface (14) from the circular cylindrical surface (13) is less than 1.5 millimetres.

IPC 8 full level

D01H 4/32 (2006.01)

CPC (source: BR CN EP US)

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