

Title (en)

DEVICE FOR PRODUCING A HEAT RESISTANT TENSION-RESISTANT AND FLEXIBLE CONNECTION BETWEEN THE ENDS OF WEB-LIKE MATERIALS

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Application

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Priority

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Abstract (en)

[origin: WO8704735A1] Device for producing a heat-resistant tension-resistant and flexible connection between the ends of web-like materials, in particular between a layer (2) of a plurality of parallel threads and a second web- or layer-like material (19), and especially in connection with machines for processing textile threads. With a first support device (18) the free end of the layer-like material (19) is secured temporarily, said material being withdrawable and uncoilable from a storage drum (26). Behind the support device (18) is provided a securing device (37) for the thread layer (2). In the region of the support device (18) a guide (4 and 5) is provided on each of the two sides of the transport plane (E) of the thread layer (2), whereby a needle head (6) is located in a synchronously displaceable manner on one guide and a shuttle head (9) is similarly located on the other guide. The needle-head (6) is, in the direction of transport (3) of the thread layer (2), provided with several successive needles (6, 7) and the shuttle head (9), according to the number of needles (6, 7), has several shuttles or catchers and/or the first support device (18) is mounted to be displaceable back and forth in the transport direction (3) of the thread layer (2). With this device it is possible to connect together the thread layer (2) with the layer-like or web-like material, if necessary, by several seams, whereby these seams, when viewed in the transport direction (3) of the thread layer (2), lie one behind the other and preferably displaced in relation to one another.

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