Title (en)

DEVICE FOR OVERLAPPING, CROSSING, AND TRANSFERRING TEXTILE FIBRES, AND METHOD THEREOF

Title (de)

VORRICHTUNG ZUR ÜBERLAPPUNG, ÜBERKREUZUNG UND ÜBERTRAGUNG VON TEXTILFASERN SOWIE VERFAHREN DAFÜR

Title (fr)

DISPOSITIF PERMETTANT DE SUPERPOSER, DE CROISER ET DE TRANSFÉRER DES FIBRES TEXTILES ET PROCÉDÉ S'Y RAPPORTANT

Publication

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Application

EP 15738990 A 20150610

Priority

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Abstract (en)

[origin: WO2016189360A1] The device for overlapping, crossing and transferring textile fibres comprises: a first conveyor belt (T1) for transporting an input layer of textile fibres; a setting- out device (10) for receiving the textile fibres from the first conveyor belt (T1) and depositing them on a second conveyor belt (T2). The setting-out device (10) is susceptible of moving in a reciprocating motion along a direction (x). The second conveyor belt (T2) is adapted to move the textile fibres along a direction (y), belonging to a plane perpendicular to the direction (x), in a forward-backward reciprocating motion, wherein, in the total motion, the forward component is much greater than the backward component, for the purpose of producing a flow of overlapped and crossed textile fibres. The device further comprises a final transportation system for carrying away the flow of textile fibres previously overlapped and crossed. The invention also relates to an innovative process for overlapping and crossing textile fibres, which can conveniently be included in a carding process.

IPC 8 full level

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CPC (source: EP)

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