

Title (en)

Procedure for producing a twisted yarn in an integrated spinning and twisting process using the two-for-one principle, as well as a device to carry out the procedure

Title (de)

Verfahren zur Herstellung eines Zwirns in einem integrierten Spinn-Zwirnprozess nach dem Doppeldrahtprinzip sowie Vorrichtung zur Durchführung des Verfahrens

Title (fr)

Procédé pour fabriquer un retors dans un processus filature-torsion d'après le principe à double torsion ainsi que dispositif pour réaliser le processus

Publication

EP 0697476 B1 19971119 (DE)

Application

EP 95107288 A 19950513

Priority

DE 4427875 A 19940806

Abstract (en)

[origin: DE4427875C1] Combined spinning, twisting process for prodn. of plied yarn entails prodn. of single yarns in, min., two neighbouring spinning sets, gathering together and subjecting to a common first twist. Here the yarns, in two-for-one form, are then led in opposite direction to the first to form in passage a rotating yarn balloon and be fed to winder via a centre point above the spinners. Disseminated fibre material is fed radially via an annular space, through the coaxial balloon surface with co-rotating thread guiding element, and finally under low pressure out of the annular space into each spinner. The balloon surface penetrates the annular space where the thread guide runs. Also claimed are an appts. for implementation and an alternative form of combined spin-twister. Pref. removal of fibre from the annular space occurs at a spot opposite the feed point or at a spot displaced in the balloon rotation direction. The fibre feed entry is displaced w.r.t. the feed exit in rotation direction. There are pref. three ring connecting spokes, of circumference greater than half the longest fibre and the annular space is subjected to low pressure and sealed against inner, outer housings.

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D01H 7/86

IPC 8 full level

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