

Title (en)

Splicing method of core yarns and automatic winder comprising core yarn splicing device

Title (de)

Verfahren zum Spleissen von Kerngarnen und automatische Wickelmaschine mit Kerngarnspleissvorrichtung

Title (fr)

Procédé pour l'épissage d'un fil à âme et bobinoir automatique à dispositif d'épissage de fils à âme

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Application

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Abstract (en)

The present invention provides a method of splicing two core yarns so that inner layer fibers and outer layer fibers are substantially continuous at their spliced portion. The present invention also provides a spliced portion formed by this method and an automatic winder comprising a device that embodies this method. Compressed air is applied to two core yarns 1A, 1B to untwist their outer layer fibers 11a, 11b. The core yarns 1A, 1B are then cut to form core yarn end surfaces 1a, 1b. The core yarn end surfaces 1a, 1b are then abutted against each other. Subsequently, an adhesive is applied to the abutted portion and then left set. Further, the inner layer fibers 10a, 10b and the outer layer fibers 11a, 11b are substantially continuous at the spliced portion of the core yarns (Fig. 1A). <IMAGE> <IMAGE> <IMAGE>

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