

Title (en)

METHOD FOR CONTINUOUS THREAD FEEDING FROM BOBBINS AND DEVICE FOR CARRYING OUT THIS METHOD

Publication

EP 0291484 B1 19920701 (FR)

Application

EP 88870043 A 19880310

Priority

BE 8700260 A 19870313

Abstract (en)

[origin: EP0291484A1] A system to ensure continuous thread feed from a series of spools carrying finite lengths of thread comprises a yoke or belt with spindles to carry at least two spools near guides to lead their threads on parallel paths opposite a device for entwining the leading end of one yarn with the trailing end of the other, when appropriate. The emptied spool is discarded for replacement or reloading. Activation of the coupling device is triggered automatically, e.g. by response to a photosensor detecting exposure of a controlling pattern on the spool core as the last of the thread is being removed. Specifically to compensate for halting of the yarn throughput during coupling of successive yarns, yarn delivery is via a device such as a dancing roller system to hold sufficient excess yarn to sustain delivery while input is interrupted for splicing of successive yarns and accelerated, temporarily, to re-establish the excess length as the first portion of the successive spool of thread is entrained. Pref. a portion of the trailing end of each yarn is discarded.

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B65H 69/00; D03D 51/34

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CPC (source: EP)

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Cited by

CN109052046A; CN102851820A; EP1686086A1; EP0999299A3; EP2163667A1; JP2010065365A; EP2284303A1; CN101994187A; CN113682891A; US6672045B2; WO2005000725A1; WO02076867A1

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