

Title (en)
METHOD FOR PIECING A YARN IN A FRICTION-SPINNING APPARATUS

Publication
EP 0205962 A3 19871028 (DE)

Application
EP 86107139 A 19860526

Priority
DE 3522556 A 19850624

Abstract (en)
[origin: US4646513A] To piece up a yarn in a friction spinning device, fibers supplied to a yarn formation position of a friction spinning drum are twisted to form a twisted fiber structure until the latter has sufficient strength for grasping by a suction device moved towards the twisted fiber structure end opposite to yarn withdrawal. The suction device grasps this end and stops such twisted fiber structure. Further fibers wound about the now substantially stationary twisted fiber structure strengthen the so it can be withdrawn by the suction device. Due to such withdrawal and constant further supply of fibers, a yarn-like structure is formed adjoining the twisted fiber structure and such yarn-like structure is also withdrawn. To subsequently again form the actual yarn, withdrawal rollers are engaged so the yarn produced at the yarn formation position is withdrawn at production speed or with a reduced speed still sufficient for forming a yarn. Then the twisted fiber structure and the adjoining yarn-like structure are taken-up by the suction device. Thereafter, taken-up yarn can be transferred to a wind-up device. In the event of a yarn break, the newly-produced yarn is supplied at its yarn end to a yarn-connecting or piecing device which also simultaneously receives a yarn end from the unfinished package. The two yarn ends are interconnected and during such time, the continuously delivered, newly-produced yarn is taken-up by an intermediate storage device, the stored yarn being taken-up again by the package after connection of the two yarn ends.

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D01H 1/135; **D01H 15/00**

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)
[A] DE 3338833 A1 19850509 - STAHLCKER FRITZ, et al

Cited by
EP0294795A1; US4918913A; EP0289028A1; US4856269A

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