

Title (en)
YARN FEEDING DEVICE FOR TEXTILE MACHINES

Title (de)
FADENLIEFERVORRICHTUNG MIT STUFENLOS EINSTELLBARER FADENABZUGSPANNUNG

Title (fr)
DISPOSITIF D'AMENEE DU FIL POUR MACHINES TEXTILES

Publication
EP 0725850 B2 20030416 (DE)

Application
EP 94930931 A 19941025

Priority
• DE 9401258 W 19941025
• DE 4336994 A 19931029

Abstract (en)
[origin: WO9512017A1] A yarn feeding device with a continuously adjustable yarn pulling-off tension for textile machines, in particular textile machines with an irregular yarn consumption, has a storage body (9) driven by a motor that conveys the yarn without slipping, around which the yarn is tangentially wound to form a supply reel and from which the yarn may be axially unwound according to need. The yarn (3) that is axially pulled-off of from the storage body is clamped more or less strongly by a compressible material and/or a compression spring, according to the desired yarn pulling-off tension, between the front face of the storage body, that is designed as a braking surface, and a complementary braking surface (10) adjustable in parallel to the storage body and that turns in the same direction of rotation as the storage body. The complementary braking surface (10) consists of a ring-shaped or circular, preferably flexible disk. The yarn is thus prevented at the same time from flying off and an undesirable untwisting of the storage reel is suppressed. The complementary braking surface (10) preferably has the same speed of rotation as the storage body and may be separately driven, directly or indirectly by means for example of toothed wheels, by its own speed-controlled electric motor or for example by a gear of the main drive for the storage body.

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IPC 8 full level
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D04B 15/48 (2013.01 - KR); **D04B 15/482** (2013.01 - EP US)

Citation (opposition)
Opponent :
• JP S4893757 A 19731204
• DE 2716017 B1 19780831 - BARMAG BARMER MASCHF
• US 3419225 A 19681231 - JOEL ROSEN KARL ISAC

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