

Title (en)

Yarn slack eliminating device in textile machine

Title (de)

Vorrichtung zur Beseitigung von Fadenlockerungen in einer Textilmaschine

Title (fr)

Dispositif d'élimination des relâchements de fil dans une machine textile

Publication

EP 1717182 A2 20061102 (EN)

Appication

EP 06003997 A 20060227

Priority

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Abstract (en)

The present invention provides a yarn slack eliminating device in a textile machine which allows a yarn hooking member to offer a stable rotational resistance to a slack eliminating roller to enable the formation of packages of a stable quality. A yarn slack eliminating device (12) includes a rotatively driven slack eliminating roller (21) and a yarn hooking member (22) attached concentrically and relatively rotatably to the slack eliminating roller (21). A flyer shaft (33) of the yarn hooking member (22) includes a columnar portion (35) the axis of which coincides with a rotation axis. A permanent magnet (36) is placed around an outer peripheral surface of the columnar portion (35). A hysteresis material (37) is placed opposite the permanent magnet (36) in a radial direction. A cylindrical adjustment bolt (32) in which the hysteresis material (37) is installed is screwed into a nut member (31) fixed to the slack eliminating roller (21). Rotating the adjustment bolt (32) enables a change in the opposite area of the permanent magnet (36) and hysteresis material (37).

IPC 8 full level

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CPC (source: EP)

B65H 51/22 (2013.01); **D01H 13/104** (2013.01); **B65H 2555/23** (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)

JP 2004277946 A 20041007 - MURATA MACHINERY LTD

Cited by

CN102267650A; CN105274678A; CZ304712B6; EP2028149A3; CN102216505A; EP2083103A3; CN105858346A; CN114164529A; CN101792076A; CN101994174A; CN104278372A; EP2216432A1; WO2008080462A1; EP2684827A2; US9403656B2; US9957646B2; EP2216432B1

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