

Title (en)

Braking device of weft feeders for textile machines

Title (de)

Bremsvorrichtung für Schussfäden für Textilmaschinen

Title (fr)

Dispositif de freinage pour des fils de trame pour des machines de textiles

Publication

EP 1526102 A1 20050427 (EN)

Application

EP 04022315 A 20040920

Priority

IT TO20030833 A 20031023

Abstract (en)

This invention relates to a modulated braking device for weft feeders (10) comprising a drum (11) for storage of a weft reserve (SF) and a frustoconical braking member (16) applying a self-adjusting braking action upon the yarn (F) unwinding from the drum (11). The drum (11) is provided with a cylindrical skirt (M) and with a plane front surface (SP) connected to each other by a rounded annular surface (SR). The surface of the skirt (M) of the drum (11) has different degrees of roughness, with an annular braking band (FF) having a lower degree of roughness and extending along said rounded annular surface (SR), in the area that is to be engaged by the frustoconical braking member (16), and with a residual surface portion of the skirt (M), outside the braking band, having a higher degree of roughness.

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B65H 59/14

IPC 8 full level

B65H 51/22 (2006.01); **D03D 47/36** (2006.01)

CPC (source: EP)

D03D 47/366 (2013.01)

Citation (search report)

- [A] US 6322016 B1 20011127 - JACOBSSON KURT ARNE GUNNAR [SE], et al
- [A] US 6269843 B1 20010807 - BERTOLONE ROBERTO [IT]

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