

Title (en)

Yarn-braking device for storage yarn feeders

Title (de)

Garnbremsvorrichtung für Speicherfournisseur

Title (fr)

Dispositif de freinage de fil pour dispositifs d'alimentation en fil de stockage

Publication

**EP 2924156 B1 20161123 (EN)**

Application

**EP 15000072 A 20150114**

Priority

IT TO20140266 A 20140328

Abstract (en)

[origin: EP2924156A1] A first braking plate (32) is adapted to be coaxially fixed to a delivery end of a drum (12). A second braking plate (40) is coaxially biased against the first one by elastic means (48) operatively engaged between the second braking plate (40) and an abutment (50). The yarn (Y) runs between the braking plates (36, 44), thereby receiving a braking action by friction depending on the pre-load of the elastic means. The abutment (50, 150) is operatively connected to a motor (54, 154), via rotary-to-translatory motion conversion means (58a, 64a, 150a, 151), for shifting in a direction such as the pre-load is varied. The motor (54, 154) is driven by a control unit (CU, CU') which modulates the pre-load in such a way as to maintain the tension of the yarn (Y) substantially constant on a desired level, on the basis of a signal generated by a tension sensor (70, 170) interacting with the yarn unwinding from the feeder.

IPC 8 full level

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CPC (source: EP)

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