

Title (en)

Yarn tension sensor for yarn-feeding devices

Title (de)

Garnspannungssensor für Garnzuführgeräte

Title (fr)

Capteur de tension de fil pour dispositifs d'alimentation en fil

Publication

EP 2067729 B1 20100616 (EN)

Application

EP 08011753 A 20080628

Priority

- EP 07425767 A 20071203
- EP 08011753 A 20080628

Abstract (en)

[origin: EP2067728A1] The tension sensor (28) is installable on a yarn feeder (10, 24) for measuring the tension of the delivered yarn, and comprises a support (30), a plate (46) of a ceramic material having a mounting portion (48) anchored to the support (30), and a flexible projection (50) extending from the mounting portion (48) for deviating the unwinding yarn with one of its ends (51) slidably engaged by the yarn. Circuit means (R1, R2, R3, R4, RP1, RP2, RS1, RS2) incorporated in the plate (46) generate variable electric signals as a function of the position of the flexible projection (50). A base of a ceramic material (56) is bonded to the mounting portion (48) by vitrification and is screwed to the support (30).

IPC 8 full level

B65H 59/40 (2006.01)

CPC (source: EP)

B65H 59/40 (2013.01); **B65H 2701/31** (2013.01)

Cited by

CN105910744A; EP2708625A1

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DOCDB simple family (publication)

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