Title (en)

Yarn-feeding apparatus for textile machines, with control of the feeding parameters

Title (de)

Fadenliefervorrichtung für Textilmaschinen mit Steuerung der Zuführungsparameter

Title (fr)

Appareil d'alimentation de fil pour machines textiles, avec contrôle des paramètres d'alimentation

Publication

EP 2186932 A1 20100519 (EN)

Application

EP 08425726 A 20081113

Priority

EP 08425726 A 20081113

Abstract (en)

Yarn loops are unwound from a yarn feeder (18) provided with a stationary yarn-winding drum (20) upon request from a textile machine (16). Braking means (28, 128) apply a braking action by friction on the unwinding yarn in such a way as to maintain the yarn tension substantially constant. A yarn consumption sensor (34) continuously measures the actual yarn consumption and generates a corresponding signal (PS) indicative of the consumption. Processing means (32, 36) calculate a consumption signal (YC) on the basis of the corresponding signal (PS), compare it with a predetermined consumption range, and adjust the stitches as a function of the difference between the two values.

IPC 8 full level

D04B 15/48 (2006.01)

CPC (source: EP)

D04B 15/488 (2013.01)

Citation (applicant)

- EP 0950742 A2 19991020 - BTSR INT SPA [IT]
- EP 0707102 A2 19960417 - LGL ELECTRONICS SPA [IT]
- EP 1335054 A2 20030813 - LGL ELECTRONICS SPA [IT]
- EP 0327973 A1 19890816 - ROY ELECTROTEX SPA [IT]
- EP 1072707 A1 20010131 - LGL ELECTRONICS SPA [IT]

Citation (search report)

- [YD] EP 0950742 A2 19991020 - BTSR INT SPA [IT]
- [YD] EP 1335054 A2 20030813 - LGL ELECTRONICS SPA [IT]
- [YD] EP 0327973 A1 19890816 - ROY ELECTROTEX SPA [IT]
- [YD] EP 0707102 A2 19960417 - LGL ELECTRONICS SPA [IT]
- [A] US 5174133 A 19921229 - KAWASE YOJI [JP], et al
- [A] US 3858416 A 19750107 - WHITE EUGENE F, et al

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CN112209180A; CN109652906A; EP2532776A1; EP2985372A1

Designated contracting state (EPC)

BE DE GB IT SE

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2186932 A1 20100519; **EP 2186932 B1 20120919**; CN 101736503 A 20100616; CN 101736503 B 20131023

DOCDB simple family (application)

EP 08425726 A 20081113; CN 200910224569 A 20091112