

Title (en)

A tension-sensing device for the thread of weft feeders in textile machines

Title (de)

Fadenspannungserfassungsvorrichtung für den Faden einer Fadenliefervorrichtung in Textilmaschinen

Title (fr)

Dispositif de détection de tension pour le fil d'un fournisseur de trame dans une machine textile

Publication

EP 1333115 A3 20040102 (EN)

Application

EP 03001430 A 20030122

Priority

IT TO20020089 A 20020201

Abstract (en)

[origin: EP1333115A2] A device for sensing the mechanical tension of the thread (F) and for converting it into electrical signals for driving modulated braking means (17) in weft feeders (10) for textile machines comprises a thread-guiding bush (19) crossed by the thread that unwinds from the drum (11) of the feeder (10) and means (24-25) for sensing and converting the mechanical tension that the thread transmits to the bush. According to the invention, the thread-guiding bush (19) is rigidly coupled to one of the rigid elements of a suspension frame (20) so as to be an integral part thereof, and the frame comprises at least two rigid frame elements (19a-21) and at least two elastically deformable elements (22-23), which are mutually and rigidly connected to each other according to a configuration shaped substantially like an elastically deformable quadrilateral. <IMAGE>

IPC 1-7

D03D 47/34; **B65H 59/26**; **B65H 51/22**; **B65H 59/40**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] DE 4300633 A1 19930722 - BARMAG BARMER MASCHF [DE]
- [A] EP 0536088 A1 19930407 - LGL ELECTRONICS SPA [IT]

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