

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

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Application

**EP 03001430 A 20030122**

Priority

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Abstract (en)

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>

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