

Title (en)

Improved device for measuring the mechanical tension of the yarn in weaving systems and the like

Title (de)

Verbesserte Vorrichtung zum Messen der mechanischen Fadenspannung in Webeanlagen und dergleichen

Title (fr)

Dispositif amélioré pour mesurer la tension mécanique de fil dans des systèmes de tissage et similaires

Publication

EP 1253099 A3 20030917 (EN)

Application

EP 02007814 A 20020408

Priority

IT TO20010060 U 20010427

Abstract (en)

[origin: EP1253099A2] The device comprises a couple of thread guide eyelets that are spaced on a rectilinear support (X) and a sensor (S) placed between said eyelets, external to the rectilinear support, under the pressure of the yarn running from one eyelet to the other, thereby defining two path segments reciprocally inclined at a predetermined angle (α). The thread guide eyelets (O'1-O'2) are inclined in opposite directions with respect to the rectilinear support (X), so that the yarn (F) passes diagonally through the eye of each thread guide eyelet; and the inclination of the eyelets with respect to the support (X) is chosen so that contact arises between the yarn and two points (C1-C2) of each eyelet, whereby the inclination of the path segments (T1-T2) of the yarn in the spans between the eyelets and the sensor (S') is kept constant. <IMAGE>

IPC 1-7

B65H 59/40

IPC 8 full level

B65H 59/40 (2006.01)

CPC (source: EP)

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

Citation (search report)

- [A] GB 2149822 A 19850619 - TRIPLITE LTD
- [A] DE 4300633 A1 19930722 - BARMAG BARMER MASCHF [DE]
- [A] EP 0574062 A1 19931215 - TE STRAKE BV [NL]
- [A] EP 0475001 A2 19920318 - ATOCHEM NORTH AMERICA [US]

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1253099 A2 20021030; EP 1253099 A3 20030917; EP 1253099 B1 20051207; CN 1211649 C 20050720; CN 1393686 A 20030129; DE 60207776 D1 20060112; DE 60207776 T2 20060817; IT TO20010060 U1 20021028; IT TO20010060 V0 20010427

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