

Title (en)

Weft tensioning and detecting device for jet looms

Title (de)

Schussfadenstreck- und -detektierereinrichtung für Düsenwebmaschinen

Title (fr)

Dispositif de tension et de détection de la trame pour métiers à tisser à jet d'air

Publication

EP 0942082 B1 20031217 (DE)

Application

EP 99103628 A 19990225

Priority

DE 19810129 A 19980309

Abstract (en)

[origin: EP0942082A2] The apparatus has a system (5,5a;6,6a) to give a selective deflection to the leading section (11a) of a correctly positioned weft (11) in the weft insertion channel (2a), forming a separate unit (1a). The system (7,7a;8,10) to guide and detect an incorrectly inserted weft (11) in the insertion channel (2a) forms a second and separate unit (1b), with a single weft monitor (10) for both. The apparatus for detection and stretch of weft yarns, in a jet loom, has a system (5,5a;6,6a) to give a selective deflection to the leading section (11a) of a correctly positioned weft (11) in the weft insertion channel (2a), forming a separate unit (1a). The system (7,7a;8,10) to guide and detect an incorrectly inserted weft (11) in the insertion channel (2a) forms a second and separate unit (1b), which can slide along the reed stay (3) in relation to the first unit (1a). The second unit has two yarn guides (7,8) on different planes, with a single weft monitor (10) for both. A telescopic yarn guide (9) is a connection between at least the deflection guide (6) for the weft (11) at the first unit (1a) and the yarn guide (8) at the second unit (1b). The yarn guide (7) has a biconical entry (7a). A variable gap is between the exit (4a) of the yarn guide (4) and the entry (7a) into the next yarn guide (7). An incorrectly inserted weft (11) bridges the gap without guidance.

IPC 1-7

D03D 47/30; **D03D 51/34**

IPC 8 full level

D03D 47/28 (2006.01); **D03D 47/30** (2006.01); **D03D 51/34** (2006.01)

CPC (source: EP)

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