

Title (en)

Device for measuring the reserve of weft and for indicating weft breakage in weft feeders for textile machines, and weft feeder including said device.

Title (de)

Vorrichtung zum Messen der Fadenreserve und zum Anzeigen von Fadenbrüchen für Fadenliefervorrichtung an Textilmaschinen und Fadenliefervorrichtung mit einer solchen Vorrichtung.

Title (fr)

Dispositif pour mesurer la réserve de trame et indiquer la casse de la trame sur les fournisseurs de trame pour machines textiles, et fournisseur équipé d'un tel dispositif.

Publication

EP 0670280 A1 19950906 (EN)

Application

EP 95101834 A 19950210

Priority

IT TO940081 A 19940215

Abstract (en)

Device comprising a first reed (A) which is subjected to the force applied by a variable number of turns of the reserve (RTM) and a second reed (B) which is subjected to the force applied by a constant number of turns which is equal to the depletion threshold of the reserve (RTm). The first and second reeds have the same elastic rigidity and are inserted in the base of the drum (12) of the feeder with one of their ends. Transducer means (30-31) are associated with each reed to measure the value of the resultants of the forces acting on the respective reeds, and processing means (UP) are provided to calculate the variation in the distance between the point where the resultant of the forces affecting the first reed (A) is applied and the insertion section of the first reed as the number of turns of the reserve (RT) varies and to emit a reserve residual measurement signal which is proportional to this distance. <IMAGE>

IPC 1-7

B65H 51/22; **D03D 47/34**

IPC 8 full level

B65H 51/22 (2006.01); **D03D 47/34** (2006.01); **D03D 47/36** (2006.01)

CPC (source: EP)

D03D 47/34 (2013.01); **D03D 47/367** (2013.01)

Citation (search report)

- [A] EP 0171516 A2 19860219 - IRO AB [SE]
- [A] DE 4139583 A1 19920702 - ICHIKAWA IRON WORKS CO [JP]
- [A] EP 0464444 A1 19920108 - SOBREVIN [LI]
- [A] DE 1928040 A1 19701210 - TANNERT JUN KARL

Designated contracting state (EPC)

BE CH DE LI SE

DOCDB simple family (publication)

EP 0670280 A1 19950906; **EP 0670280 B1 19990609**; DE 69510110 D1 19990715; DE 69510110 T2 20000120; IT 1267379 B1 19970205; IT TO940081 A0 19940215; IT TO940081 A1 19950815

DOCDB simple family (application)

EP 95101834 A 19950210; DE 69510110 T 19950210; IT TO940081 A 19940215