

Title (en)

Improvement of weft feeders for pneumatic looms.

Title (de)

Verbesserung von Schussfadensiefervorrichtungen für pneumatische Webmaschinen.

Title (fr)

Perfectionnement des fournisseurs de trame pour métiers à tisser pneumatiques.

Publication

EP 0581745 A1 19940202 (EN)

Application

EP 93830309 A 19930720

Priority

IT TO920643 A 19920727

Abstract (en)

A weft feeder (10) for pneumatic looms, comprising a fixed drum (12), a rotating disk (13) for winding on the drum a reserve of thread to be fed to the loom, and an electromagnetic stop element (16) for blocking the unwinding of the thread from the drum after the counting, performed by means of a photoelectric cell, of a preset number (n) of turns of thread. The electromagnetic stop element (16) comprises a permanent magnet (18) which cooperates with a fixed magnetic core (19) provided with an annular gap in which a hollow moving element passes (24); a winding is associated with the moving element, and an energization current flows through it. The moving element (24) supports, at its end, a thread stopping finger (17), and is fitted without contact engagement on a cylindrical extension of the fixed magnetic core (19); said moving element (24) is supported so that it can move axially with respect to the cylindrical extension. <IMAGE>

IPC 1-7

D03D 47/36; **B65H 51/22**

IPC 8 full level

D03D 47/36 (2006.01)

CPC (source: EP)

D03D 47/363 (2013.01)

Citation (search report)

- [A] EP 0363938 A1 19900418 - ROY ELECTROTEX SPA [IT]
- [A] EP 0436197 A2 19910710 - ROY ELECTROTEX SPA [IT]
- [A] EP 0253760 A2 19880120 - SULZER AG [CH]

Cited by

EP0972869A1; US6095201A; CN1089824C; US5918646A; CN1051588C; WO2004044294A3; WO9619605A1

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