

Title (en)

Thread breaking device, more especially weft breaking device for looms

Title (de)

Fadenbremse, insbesondere Schlusssadenbremse für Webmaschinen

Title (fr)

Frein de fil, plus particulièrement frein de fil de trame pour métiers à tisser

Publication

EP 1136605 A3 20031001 (DE)

Application

EP 01103155 A 20010210

Priority

DE 10013625 A 20000318

Abstract (en)

[origin: EP1136605A2] The thread brake comprises a support (1), and two or more flexible elements (3,4) mounted on support to form a thread gap (G) for passing a thread. A gap width control is operatively connected to flexible element. The gap width control comprises a linear motor having a controllable linearly movable member (9), positioned to influence the flexible element for adjusting gap width and respective brake force. The linear motor further has a stator (8) fixed in position. The linear motor is a linearly stepping electric motor or a linear electric servo-motor. The controllable linearly movable member is an armature or a pneumatic piston. The stator is a linear elongated structural component or a curved structural component having a circular shape configuration of a sector portion.

IPC 1-7

D03D 47/34

IPC 8 full level

D03D 47/30 (2006.01); **D03D 47/34** (2006.01); **D03D 49/04** (2006.01); **H02K 16/00** (2006.01); **H02K 41/03** (2006.01)

CPC (source: EP US)

B65H 59/22 (2013.01 - EP US); **D03D 47/34** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Citation (search report)

- [DXY] EP 0613970 A1 19940907 - DORNIER GMBH LINDAUER [DE]
- [Y] CH 418249 A 19660731 - SCHEFFEL WALTER [DE]
- [PX] EP 1072707 A1 20010131 - LGL ELECTRONICS SPA [IT]
- [E] EP 1095893 A2 20010502 - LGL ELECTRONICS SPA [IT]
- [DA] EP 0475892 A1 19920318 - SULZER AG [CH]

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1136605 A2 20010926; **EP 1136605 A3 20031001**; **EP 1136605 B1 20040929**; AT E278058 T1 20041015; DE 10013625 A1 20010927; DE 50103821 D1 20041104; ES 2230187 T3 20050501; JP 2001295160 A 20011026; JP 3901953 B2 20070404; PT 1136605 E 20050228; US 2001022201 A1 20010920; US 6418976 B2 20020716

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