

Title (en)

Self-adjusted modulated thread braking devices for a weft feeder

Title (de)

Selbstregulierende modulierte Fadenbremse für eine Schussfadensliefer Vorrichtung

Title (fr)

Frein de fil modulé à ajustage automatique pour un fournisseur de trame

Publication

EP 0884263 A1 19981216 (EN)

Application

EP 98110510 A 19980609

Priority

IT TO970511 A 19970611

Abstract (en)

A braking device for textile machine weft feeders (14), comprising a frustum-shaped braking body (15), which faces the drum (11) of the weft feeder (10), and an adjustable annular support (16), where to the frustum-shaped body is rigidly coupled by means of a preloaded elastic suspension (17). According to the invention, and in order to optimize its elastic characteristics, the suspension (17) comprises at least two sets of identical corresponding traction springs which have respective different stiffnesses and preloadings which are inversely proportional to the respective stiffness of the springs. <IMAGE>

IPC 1-7

B65H 51/22

IPC 8 full level

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

CPC (source: EP)

D03D 47/366 (2013.01)

Citation (search report)

- [A] EP 0652312 A1 19950510 - LGL ELECTRONICS SPA [IT]
- [A] EP 0534263 A1 19930331 - LGL ELECTRONICS SPA [IT]
- [AP] EP 0826619 A1 19980304 - LGL ELECTRONICS SPA [IT]
- [A] EP 0567045 A1 19931027 - LGL ELECTRONICS SPA [IT]
- [AP] DE 19638618 A1 19980326 - IRO AB [SE]
- [AD] EP 0536088 A1 19930407 - LGL ELECTRONICS SPA [IT]

Cited by

EP2719804A1; EP2623650A1; CN105177830A; ITTO20120875A1; CN103243460A

Designated contracting state (EPC)

BE CH DE LI SE

DOCDB simple family (publication)

EP 0884263 A1 19981216; EP 0884263 B1 20020403; DE 69804535 D1 20020508; DE 69804535 T2 20021002; IT 1292765 B1 19990211; IT TO970511 A0 19970611; IT TO970511 A1 19981211

DOCDB simple family (application)

EP 98110510 A 19980609; DE 69804535 T 19980609; IT TO970511 A 19970611