

Title (en)

Weft feeder for looms provided with a self-governing braking device

Title (de)

Eine Schussfadentiefervorrichtung für Webmaschinen mit einer selbsteinstellenden Fadenbremsvorrichtung

Title (fr)

Fournisseur de trame pour métiers à tisser avec un frein de fil à ajustage automatique

Publication

EP 1624098 A3 20061102 (EN)

Application

EP 05013200 A 20050618

Priority

IT TO20040105 U 20040805

Abstract (en)

[origin: EP1624098A2] The feeder comprises a stationary drum (12) on which are wound loops of yarn to be fed to a downstream textile machine, and a self-governing braking device comprising a hollow, frustoconical braking member (16) which is arranged in front of the drum (12) and is supported at the middle of a spider assembly of springs (18) hooked between the braking member (16) and an annular support (19). The springs (18) have a length at rest which is equal to, or higher than, the span between their hooking point on the frustoconical member (16) and their hooking point on the annular support (19). The annular support (19) is slidably supported with respect to the drum (12) along an axial direction, under control of driving means (22), for biasing the frustoconical member (16) against said edge (12r), thereby causing the frustoconical member to align to the drum, while approaching thereto, by geometrical engagement.

IPC 8 full level

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

CPC (source: EP)

D03D 47/364 (2013.01)

Citation (search report)

[A] EP 1059375 A1 20001213 - LGL ELECTRONICS SPA [IT]

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EP 1624098 A2 20060208; EP 1624098 A3 20061102; EP 1624098 B1 20091014; CN 1730753 A 20060208; CN 1730753 B 20101222; DE 602005017100 D1 20091126; IT TO20040105 U1 20041105

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