

Title (en)
THREAD-FEEDING DEVICE FOR TEXTILE MACHINES WITH TEMPORARILY VARIED THREAD CONSUMPTION, IN PARTICULAR FOR KNITTING MACHINES

Publication
EP 0308609 A3 19910703 (DE)

Application
EP 88111566 A 19880719

Priority
DE 3732102 A 19870924

Abstract (en)
[origin: JPH0197246A] PURPOSE: To provide a yarn feeder capable of feeding a yarn at a fixed adjustable yarn tension in a yarn feeder for changing a feed amount of yarn required by a weaving machine in a wide range with time. CONSTITUTION: One measurement converter 19 is combined with a yarn tension element 19. A signal showing a specific position and/or action of the yarn tension element is sent to an electric circuit containing a driving motor 18 for detecting the position and as a function of the adjustment action of the yarn tension element 16 generated in an operation zone. By the circuit, the yarn tension element is moved in the increasing direction of a yarn reserve zone. When the yarn tension element reaches a limit position of its working range, the driving motor 18 is stopped. A further moving zone of the yarn tension element is separately installed in an operation zone continuing from the limit position. When the motor is stopped and the tension of yarn is reduced, the yarn tension element can be moved by a bias force connected to the moving zone into the interior of the moving zone.

IPC 1-7
B65H 51/20; **D04B 15/48**

IPC 8 full level
D03D 47/34 (2006.01); **D03D 47/36** (2006.01); **D04B 15/48** (2006.01); **D04B 15/54** (2006.01)

CPC (source: EP KR US)
D04B 15/38 (2013.01 - KR); **D04B 15/48** (2013.01 - EP KR US)

Citation (search report)

- [XP] EP 0256519 A1 19880224 - MEMMINGER GUSTAV [DE]
- [A] DE 3702702 A1 19870903 - BAER MASCHF JOSEF [DE]
- [A] GB 2125072 A 19840229 - WHELLAMS GEOFFREY EDMUND
- [A] GB 2158107 A 19851106 - MEMMINGER GUSTAV
- [AD] FR 2538419 A1 19840629 - INST TEXTILE DE FRANCE [FR]
- [AD] US 3962891 A 19760615 - ROUZAUD GUY CHARLES

Cited by
EP2441868A4; CN109183264A; DE102006038339A1; DE102006038339B4; US11399885B2

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 0308609 A2 19890329; **EP 0308609 A3 19910703**; CN 1008751 B 19900711; CN 1032202 A 19890405; CS 271348 B2 19900912; CS 631688 A2 19891114; DD 282482 A5 19900912; DE 3732102 C1 19890503; JP H0197246 A 19890414; JP H07109047 B2 19951122; KR 890005324 A 19890513; KR 910005011 B1 19910720; PT 88583 A 19890731; US 4829790 A 19890516

DOCDB simple family (application)
EP 88111566 A 19880719; CN 88106634 A 19880910; CS 631688 A 19880923; DD 31996888 A 19880920; DE 3732102 A 19870924; JP 23755188 A 19880924; KR 880012402 A 19880924; PT 8858388 A 19880923; US 24130388 A 19880907