

Title (en)

YARN FURNISHER FOR A KNITTING MACHINE WITH STRIPER

Publication

EP 0095709 B1 19880824 (DE)

Application

EP 83105136 A 19830524

Priority

- SE 8203216 A 19820525
- SE 8204685 A 19820813
- SE 8205657 A 19821004

Abstract (en)

[origin: WO8304273A1] The yarn feeding apparatus for the positive supply of a plurality of yarns to a circular mechanism of a circular knitting machine comprises fingers arranged in the circular mechanism for collecting and conveying the yarn to a knitting position or withdrawing it from this position, and supply devices provided, each of them, with a yarn transport element (4, 5) and yarn guiding elements (6) which are movable between a supply zone wherein the yarn is in mesh with the transport element and a non-supply zone. For each guiding element there is provided an electric position detector (7) which delivers an electric signal as a function of the guiding element position. Yarn faults which could lead to damages in the finished product, if the knitting machine was not stopped in time, are detected since each detector (7) always produces either a signal indicating the supply zone when the guiding element (6) is within that zone, or a signal indicating the non-supply zone when the guiding element is within that zone, and since the detectors (7) are connected to an electric logic unit to control the shut off of the knitting machine. To this effect, the logic unit response to a combination of signals from all detectors, which combination is representative of the breakage of the yarn and/or a yarn oversupply and/or a yarn change fault.

IPC 1-7

D04B 35/12

IPC 8 full level

D04B 15/48 (2006.01); **D04B 35/12** (2006.01)

CPC (source: EP US)

D04B 15/48 (2013.01 - EP US); **D04B 35/12** (2013.01 - EP US)

Cited by

CN103469471A; EP2980291A3

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0095709 A1 19831207; **EP 0095709 B1 19880824**; DE 3377801 D1 19880929; JP H0333826 B2 19910520; JP S59501673 A 19841004; US 4607507 A 19860826; WO 8304273 A1 19831208

DOCDB simple family (application)

EP 83105136 A 19830524; DE 3377801 T 19830524; EP 8300131 W 19830524; JP 50174283 A 19830524; US 81530085 A 19851227