Title (en)

TRAVELLING CONTROL APPARATUS FOR SUCCESSIVELY CONTROLLING THE OPERATING CONDITIONS AT EACH SPINNING STATION OF A RING SPINNING MACHINE

Publication

EP 0016940 B1 19830518 (DE)

Application

EP 80100723 A 19800213

Priority

CH 282079 A 19790327

Abstract (en)

[origin: US4311916A] A travelling scanning apparatus for successively checking the working conditions at the spinning position of a ring spinning machine is enabled, in order to determine whether a yarn breakage has occurred at a spinning position, and, in the affirmative case, whether there prevails a danger of damage due to lap-up formation on a roll of the drafting arrangement. Using a yarn feeler first the presence of a normally spun yarn is detected. If no yarn is present, the broken yarn suction nozzle, which is used for eliminating the fibres not spun in, is lowered from its normal working position into a scanning position, and an optimum fibre stream is obtained between the delivery rolls of the drafting arrangement and the lowered nozzle for scanning using a second feeler. In case of non-presence of this fibre stream, that is in case possible lap-up formation, a roving supply interrupting device is activated and the roving supply to the drafting arrangement is interrupted.

IPC 1-7

D01H 13/14

IPC 8 full level

D01H 13/16 (2006.01); **D01H 13/14** (2006.01)

CPC (source: EP US)

D01H 13/145 (2013.01 - EP US)

Cited by

US5142856A; DE3524073A1; EP0156452A1; DE3042946A1; EP3748052A1; WO2020244813A1; US11885048B2; EP3748052B1

Designated contracting state (EPC)

CH DE FR GB IT

DOCDB simple family (publication)

US 4311916 A 19820119; DE 3063228 D1 19830707; EP 0016940 A1 19801015; EP 0016940 B1 19830518; ES 490564 A0 19810416; ES 8104451 A1 19810416; IN 152642 B 19840225; JP H0213049 B2 19900403; JP S55128028 A 19801003

DOCDB simple family (application)

US 13082280 A 19800317; DE 3063228 T 19800213; EP 80100723 A 19800213; ES 490564 A 19800325; IN 183CA1980 A 19800219; JP 3828580 A 19800327