

Title (en)

Apparatus for the supervision of yarns on ring spinning machines

Title (de)

Vorrichtung zur Ueberwachung von Garnen an Ringspinnmaschinen

Title (fr)

Appareil pour la surveillance de fils sur métiers à filer à anneau

Publication

EP 0924324 B1 20020904 (DE)

Application

EP 98122732 A 19981130

Priority

CH 289097 A 19971217

Abstract (en)

[origin: EP0924324A1] A traveling sensor (1) moves along a track (4) past the spinning positions. An optical transducer (2) provides a signal for the interruption or reflection of a light beam by the yarn (15) as it passes by in the rotating balloon (16). The duration of the signal is evaluated to indicate statistical outliers in diameter or other irregularities.

IPC 1-7

D01H 13/14; **D01H 13/16**

IPC 8 full level

B65H 63/06 (2006.01); **D01H 13/14** (2006.01); **D01H 13/16** (2006.01); **D01H 13/22** (2006.01)

CPC (source: EP US)

D01H 13/145 (2013.01 - EP US); **D01H 13/165** (2013.01 - EP US)

Cited by

WO0151397A1; WO2019227241A1

Designated contracting state (EPC)

BE CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0924324 A1 19990623; **EP 0924324 B1 20020904**; CN 1154759 C 20040623; CN 1230608 A 19991006; DE 59805401 D1 20021010; JP H11269729 A 19991005; US 6112508 A 20000905

DOCDB simple family (application)

EP 98122732 A 19981130; CN 98111683 A 19981216; DE 59805401 T 19981130; JP 37781298 A 19981214; US 20623998 A 19981207