Title (en)

Auto-optimizing method for yarn guiding machines

Title (de)

Eigenoptimierung für fadenführende Maschinen

Title (fr)

Méthode d'auto-optimisation pour des machines guidant du fil

Publication

EP 1281959 B1 20070307 (DE)

Application

EP 02011801 A 20020528

Priority

DE 10129201 A 20010618

Abstract (en)

[origin: DE10129201A1] To give a self-setting operation to a yarn processing machine, e.g. a spinning machine or a bobbin winder or yarn treatment machine and the like, variable outer threshold values (d1,d2) are set for a yarn thickness (d(t)) to give no more than an initial probability level of yarn fractures (e) in a given longer time span. Yarn measurements are taken to vary the outer thresholds to give a second probability value of the breaches (r) of the first narrower thresholds (d3,d4), in a given time unit, to act on the outer threshold values, so that an actual yarn break will occur only on a breach of one of the outer thresholds.

IPC 8 full level

G01N 33/36 (2006.01); **B65H 63/06** (2006.01); **D01H 13/22** (2006.01); **D01H 13/26** (2006.01); **D01H 13/32** (2006.01)

CPC (source: EP)

B65H 63/062 (2013.01); **D01H 13/22** (2013.01); **D01H 13/26** (2013.01); **D01H 13/32** (2013.01); B65H 2701/31 (2013.01)

Cited by

DE102008037758A1; DE102008037758B4; WO2024126031A1

Designated contracting state (EPC)

BE CH DE LI

DOCDB simple family (publication)

DE 10129201 A1 20021219; CZ 20022040 A3 20030212; DE 50209633 D1 20070419; EP 1281959 A2 20030205; EP 1281959 A3 20031210; EP 1281959 B1 20070307

DOCDB simple family (application)

DE 10129201 A 20010618; CZ 20022040 A 20020612; DE 50209633 T 20020528; EP 02011801 A 20020528