

Title (en)

Method for obtaining a signal representing a running yarn.

Title (de)

Verfahren zur Gewinnung eines Fadenlaufsignals.

Title (fr)

Procédé pour l'obtention d'un signal représentant un fil en mouvement.

Publication

EP 0436204 B1 19950208 (DE)

Application

EP 90125114 A 19901221

Priority

DE 3942685 A 19891222

Abstract (en)

[origin: EP0436204A1] In this method, a sensor (32) in the form of a piezoelectric foil is attached to a yarn guide (18) or its suspension (20) and supplies a signal which, inter alia, reflects the vibrations induced in the yarn guide by the yarn movement. To obtain a signal corresponding to the yarn tension, either the frequency (f1) of an element (22) winding up the yarn and/or harmonics of this frequency (f2 to f9) corresponding to the yarn noise are filtered out of the sensor signal and the level of this frequency or frequencies is measured. <IMAGE>

IPC 1-7

B65H 63/032; **B65H 59/40**

IPC 8 full level

D01H 13/16 (2006.01); **B65H 59/38** (2006.01); **B65H 59/40** (2006.01); **B65H 63/032** (2006.01); **D01H 13/32** (2006.01); **G01L 5/10** (2006.01)

CPC (source: EP US)

B65H 59/40 (2013.01 - EP US); **B65H 63/0327** (2013.01 - EP US); **D01H 13/1633** (2013.01 - EP US); **B65H 2513/11** (2013.01 - EP US); **B65H 2515/31** (2013.01 - EP US); **B65H 2553/26** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Cited by

DE4423548A1; EP0616058A1

Designated contracting state (EPC)

CH DE FR GB IT LI SE

DOCDB simple family (publication)

EP 0436204 A1 19910710; **EP 0436204 B1 19950208**; CS 643490 A2 19911015; DE 3942685 A1 19910627; DE 59008432 D1 19950323; DE 59010879 D1 19990902; EP 0608001 A1 19940727; EP 0608001 B1 19990728; JP H06229855 A 19940819; US 5164710 A 19921117

DOCDB simple family (application)

EP 90125114 A 19901221; CS 643490 A 19901220; DE 3942685 A 19891222; DE 59008432 T 19901221; DE 59010879 T 19901221; EP 94102738 A 19901221; JP 40580590 A 19901225; US 86729492 A 19920410