

Title (en)

WORK PIECE THICKNESS DETECTOR FOR A SEWING MACHINE

Publication

EP 0205377 B1 19900411 (FR)

Application

EP 86401166 A 19860602

Priority

FR 8508317 A 19850603

Abstract (en)

[origin: ES8704220A1] A device for detecting a thickness variation of a piece of fabric passing under the presser foot of a sewing machine. The device includes a transmitter and receiver between which the fabric passes. The receiver stores maximum and minimum signals in memory units generated when the fabric passes between the transmitter and receiver. A computing unit calibrates the thresholds as a function of the stored maximum and minimum signals. A comparator compares the incoming signals with the calibrated thresholds and sends a signal to a logic unit to control the sewing operations accordingly.

IPC 1-7

D05B 35/10; **G01B 11/02**; **G01B 11/06**

IPC 8 full level

D05B 69/00 (2006.01); **D05B 35/10** (2006.01); **D05B 69/24** (2006.01); **G01B 11/02** (2006.01); **G01B 11/06** (2006.01)

CPC (source: EP KR US)

D05B 69/22 (2013.01 - KR); **D05B 69/24** (2013.01 - EP US)

Cited by

DE3905482A1; EP1777331A1; DE3934933A1; GB2215835A; US4962569A; DE3843073A1

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