

Title (en)

Sensor for the working distance of card clothings or for adjustment of this distance

Title (de)

Sensor für den Kardierspalt beziehungsweise Nachstellen des Kardierspaltes

Title (fr)

Capteur pour la distance de travail de garnitures de cardage ou pour ajuster ladite distance

Publication

EP 1158078 B1 20040107 (DE)

Application

EP 01118063 A 19970326

Priority

- CH 93496 A 19960412
- CH 93596 A 19960412
- EP 97810179 A 19970326

Abstract (en)

[origin: EP0801158A1] The carding machine has at least one sensor to monitor the effective working gap of at least one card clothing. The gap is scanned from the side of the working width. The sensor generates a beam from a mounting at one side of the working width, aligned through the card working zone. Also claimed is an assembly, and an adjustment system to set the gap between a card clothing and a facing component (13), where the mantle surface (T') of the clothing is taken as the reference surface. The gap (KA) between the component (13) and the surface (T') is monitored without contact. The position of the component (13) in relation to the clothing is altered by an actuator (50) if necessary, to correct any deviation from a nominal value for the gap (KA).

IPC 1-7

D01G 15/28

IPC 8 full level

B01F 3/04 (2006.01); **B01F 5/04** (2006.01); **B01F 5/06** (2006.01); **D01G 15/28** (2006.01)

CPC (source: EP US)

B01F 23/23211 (2022.01 - EP US); **B01F 23/23762** (2022.01 - EP); **B01F 25/3131** (2022.01 - EP US); **D01G 15/28** (2013.01 - EP US); **B01F 23/23762** (2022.01 - US); **B01F 25/43172** (2022.01 - EP US)

Cited by

DE102007011370B4; GB2431413A; GB2431413B; DE102007011370A1; GB2350126B; EP3751027A1; CH716308A1; WO2011150527A3; US7908714B2

Designated contracting state (EPC)

CH DE GB IT LI

DOCDB simple family (publication)

EP 0801158 A1 19971015; **EP 0801158 B1 20030528**; DE 59710155 D1 20030703; DE 59711196 D1 20040212; EP 1158078 A2 20011128; EP 1158078 A3 20020116; EP 1158078 B1 20040107; US 5930869 A 19990803

DOCDB simple family (application)

EP 97810179 A 19970326; DE 59710155 T 19970326; DE 59711196 T 19970326; EP 01118063 A 19970326; US 82460497 A 19970326