

Title (en)

DEVICE FOR MEASURING THE THICKNESS AND/OR UNEVENNESS OF WADDING OR NON-WOVENS

Title (de)

VORRICHTUNG ZUM MESSEN DER DICKE UND/ODER DER UNGLEICHMÄSSIGKEIT VON WATTEN ODER VLIESEN

Title (fr)

DISPOSITIF POUR MESURER L'ÉPAISSEUR ET/OU L'INÉGALITÉ D'OUATES OU DE NON-TISSES

Publication

EP 0891435 B1 20011128 (DE)

Application

EP 97904981 A 19970312

Priority

- CH 9700102 W 19970312
- CH 79196 A 19960327

Abstract (en)

[origin: WO9736031A1] The invention concerns a device for measuring the thickness and/or unevenness of wadding or non-wovens. The device has a guide element (30) for the wadding or non-wovens and a thickness sensor (26, 27, 28) which presses the wadding or non-wovens against the guide element and can move relative to the latter, the position of the sensor providing a measure of the thickness and/or unevenness of the wadding or non-wovens. To achieve a simpler and cheaper design without sacrificing measurement accuracy, an individual sensor is provided with a translation element (31) which converts the deflections of the individual sensor in one direction into a path signal available in another direction. This allows signals corresponding to the deflections of several individual sensors to be added together and applied to a single common path measurement system (32).

IPC 1-7

D01G 31/00; **D01H 13/22**

IPC 8 full level

D01G 31/00 (2006.01); **D01H 13/22** (2006.01); **G01B 7/06** (2006.01)

CPC (source: EP US)

D01G 31/006 (2013.01 - EP US); **D01H 13/22** (2013.01 - EP US)

Designated contracting state (EPC)

BE CH DE FR GB IT LI

DOCDB simple family (publication)

WO 9736031 A1 19971002; CN 1214743 A 19990421; DE 59705554 D1 20020110; EP 0891435 A1 19990120; EP 0891435 B1 20011128; JP 2000508064 A 20000627; TW 335424 B 19980701; US 6199289 B1 20010313

DOCDB simple family (application)

CH 9700102 W 19970312; CN 97193329 A 19970312; DE 59705554 T 19970312; EP 97904981 A 19970312; JP 53389697 A 19970312; TW 86103589 A 19970321; US 15530998 A 19981119