

Title (en)
Calibration device

Title (de)
Kalibriervorrichtung

Title (fr)
Dispositif de calibrage

Publication
EP 1584745 A1 20051012 (DE)

Application
EP 05004643 A 20050303

Priority
DE 102004018421 A 20040408

Abstract (en)
The assembly includes a mounting strip (36) with a sensor holder (38) for the pressure sensor (40) fastened to it. These components are positioned such that the pressure sensor is located in correspondence with the resting location of the scraper blade (30) against the cylinder : The mounting strip end corresponds in shape with the clamped end of the blade. At the side of the sensor holder facing the mounting strip, it is slotted. Slot height corresponds with the mounting strip, which is constructed to hold several sensor holders. The pressure sensor is fastened on the side of the sensor holder facing away from the mounting strip. The sensor holder is bent out from the plane of the strip, this section running tangentially to the cylinder. The sensor is fastened on the side facing the cylinder. A resilient cushion (58) intervenes between sensor and roller. It is plastic, especially a silicone. The pressure sensor is a tactile pressure sensor, especially a piezoelectric element. The sensor holder is steel or plastic. The mounting strip is steel or carbon-reinforced plastic. The sensor holder can be screwed onto it, at various locations. An independent claim is included for the corresponding method of adjusting the pressure of the scraper on the cylinder circumference.

Abstract (de)
Die Erfindung betrifft eine Kalibriervorrichtung (34) für den Anpressdruck einer am Umfang einer Walze oder eines Zylinders, insbesondere einer Papiermaschine, einer Druckmaschine, eines Kalenders oder dergleichen anliegenden Klinge (30) einer Schabvorrichtung, mit einer Halteklinge (36), einem daran befestigten Sensorhalter (38) und einem Drucksensor (40), wobei die Halteklinge (36), der Sensorhalter (38) und der Drucksensor (40) so positioniert sind, dass die Lage des Drucksensors (40) am Umfang der Walze oder des Zylinders dem Anlageort der Klinge entspricht (30). Die Erfindung betrifft auch ein Verfahren zum Einstellen eines Anpressdrucks einer am Umfang einer Walze oder eines Zylinders, insbesondere einer Papiermaschine, einer Druckmaschine, eines Kalenders oder dergleichen anliegenden Klinge. <IMAGE>

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D21G 3/00

IPC 8 full level
B41F 9/10 (2006.01); **D21G 3/00** (2006.01)

CPC (source: EP US)
B41F 9/1036 (2013.01 - EP US); **D21G 3/005** (2013.01 - EP US)

Citation (search report)
• [A] WO 0120077 A1 20010322 - METSO PAPER INC [FI], et al
• [DA] EP 1045067 A1 20001018 - VALMET CORP [FI]

Cited by
EP2113608A3; DE102008001265A1; EP2113608A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

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