

Title (en)

SENSOR FOR EVALUATING DIELECTRIC PROPERTIES OF SPECIALIZED PAPER

Title (de)

SENSOR ZUR AUSWERTUNG DER DIELEKTRISCHEN EIGENSCHAFTEN VON SPEZIALPAPIER

Title (fr)

DETECTEUR PERMETTANT D'EVALUER LES PROPRIETES DIELECTRIQUES DE PAPIERS A USAGE SPECIFIQUE

Publication

EP 1149363 B1 20040107 (EN)

Application

EP 99904649 A 19990217

Priority

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- CA 2261081 A 19990201

Abstract (en)

[origin: CA2261081A1] A capacitor sensor for assessing dielectric properties of currency paper uses a transmitting dielectrode on a first side of an evaluation channel and a receiving electrode on the same first side of the evaluation channel. A passive electrode is located on the opposite side of the evaluation channel and overlays with the transmitting and receiving electrodes. An electronic processing arrangement is connected to the transmitting and receiving electrodes and evaluates the signals for changes in the capacitance coupling of the electrode. This coupling is directly related to the properties of the paper passing between the passive electrode on one side and then transmitting and receiving electrodes on the other side.

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G07D 7/00; **G07D 7/02**

IPC 8 full level

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CA 2261081 A 19990201; AU 2506299 A 19990217; BR 9917015 A 19990217; CN 99815980 A 19990217; DE 69914107 T 19990217; EP 99904649 A 19990217; ES 99904649 T 19990217; JP 2000597764 A 19990217