

Title (en)  
SENSOR AND DEVICE FOR EXAMINING SHEET MATERIAL, AND SENSOR MAINTENANCE METHOD

Title (de)  
SENSOR UND VORRICHTUNG ZUR PRÜFUNG VON BLATTGUT UND VERFAHREN ZUR SENSOR-WARTUNG

Title (fr)  
CAPTEUR ET DISPOSITIF DE VÉRIFICATION D'ARTICLES SOUS FORME DE FEUILLES ET PROCÉDÉ DE MAINTENANCE DE CAPTEUR

Publication  
**EP 2102828 A1 20090923 (DE)**

Application  
**EP 07819706 A 20071108**

Priority

- EP 2007009699 W 20071108
- DE 102006052798 A 20061109

Abstract (en)  
[origin: WO2008055686A1] In banknote processing machines, banknotes are conveyed by a conveying system and pass through a sensor section. In some sensors, the passing banknotes touch the front side of the sensor housing, resulting in wear of the front sides, which can affect the conveying process of the banknotes. When the sensor fronts are worn, only individual front elements of the sensor component are replaced rather than entire sensor components, as used to be the case. One or more front elements which are removable and can thus be replaced with little effort are fastened to the sensor housing side facing the banknotes. Said front elements have no contact with the interior of the housing and the sensitive measuring elements located therein. The measuring elements remain encapsulated in a dust-tight manner in the housing of the sensor component when the front elements are removed from the housing for maintenance. Preferably, the front elements have a comb structure which makes it easier to convey the banknotes at the transition between the sensor components.

IPC 8 full level  
**G01D 11/24** (2006.01); **G07D 7/12** (2006.01); **G07D 11/00** (2006.01)

CPC (source: EP US)  
**G07D 7/12** (2013.01 - EP US); **G07D 11/10** (2018.12 - EP US)

Citation (search report)  
See references of WO 2008055686A1

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 LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 102006052798 A1 20080515**; CN 101589411 A 20091125; CN 101589411 B 20111123; EP 2102828 A1 20090923; EP 2102828 B1 20120711; RU 2009121643 A 20101220; RU 2414751 C2 20110320; US 2010000312 A1 20100107; US 8132454 B2 20120313; WO 2008055686 A1 20080515; WO 2008055686 B1 20080710

DOCDB simple family (application)  
**DE 102006052798 A 20061109**; CN 200780049587 A 20071108; EP 07819706 A 20071108; EP 2007009699 W 20071108; RU 2009121643 A 20071108; US 51398107 A 20071108