

Title (en)  
MAGNETIC SENSING DEVICE AND BILL VALIDATOR

Title (de)  
MAGNETISCHE ERFASSUNGSVORRICHTUNG UND BANKNOTENÜBERPRÜFUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE DÉTECTION MAGNÉTIQUE ET VALIDATEUR DE BILLETS

Publication  
**EP 2835660 B1 20171129 (EN)**

Application  
**EP 13772401 A 20130321**

Priority  
• JP 2012085472 A 20120404  
• JP 2013058001 W 20130321

Abstract (en)  
[origin: EP2835660A1] A magnetism detecting device that can achieve a high gain and can also detect magnetism without being affected by an offset voltage, and a banknote identifying apparatus that includes such a magnetism detecting device are configured. A magnetism detecting device (101) includes a magnetic sensor (1) that is provided with a resistive voltage divider circuit including a magnetoresistive element (R1), an alternating current amplifier circuit (20) that subjects an output signal of the magnetic sensor (1) to alternating current amplification, an integrating circuit (30) that integrates an output signal of the alternating current amplifier circuit (20), and a differential amplifier circuit (40) that subjects the output signal of the alternating current amplifier circuit (20) and an output signal of the integrating circuit (30) to differential amplification.

IPC 8 full level  
**G01R 33/09** (2006.01); **G07D 7/04** (2016.01)

CPC (source: EP US)  
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Cited by  
EP3309570A4

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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