

Title (en)

In-coin passage coin sensing system

Title (de)

In-Coin-Münzdurchgangssensorsystem

Title (fr)

Système de détection de pièce de passage de pièces

Publication

EP 2960873 A1 20151230 (EN)

Application

EP 14173693 A 20140624

Priority

EP 14173693 A 20140624

Abstract (en)

A coin acceptor includes a main body having a coin dispenser mounted therein, coin tube disposed at the bottom side of the coin dispenser, and a sensing device including a circuit module having a resonant circuit, sensing coils electrically connected to the resonant circuit and an insulation film sealing the sensing coils and bonded to the periphery of the coin tubes to hold each sensing coil in the periphery of one respective coin tube in such a manner that when one or multiple metal coins are dispensed by the coin dispenser into one coin tube, an alternating magnetic field generated by one respective sensing coil induces eddy currents in the metal coins in the respective coin tube, enabling the circuit module to calculate the quantity of the metal coins in the respective coin tube by measuring the energy loss and change in resonance frequency in the resonant circuit.

IPC 8 full level

G07D 1/00 (2006.01); **G07D 1/02** (2006.01)

CPC (source: EP)

G07D 1/00 (2013.01)

Citation (search report)

- [I] DE 3802121 A1 19890803 - NSM APPARATEBAU GMBH KG [DE]
- [I] EP 2230645 A1 20100922 - COGES S P A [IT]
- [A] EP 0680021 A1 19951102 - NAT REJECTORS GMBH [DE]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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