

Title (en)

Method and device for validation of coins and counters

Title (de)

Verfahren und Vorrichtung zum Prüfen von Münzen und Jetons

Title (fr)

Procédé et dispositif pour contrôler des pièces de monnaie ou jetons

Publication

EP 1411480 A2 20040421 (EN)

Application

EP 03425572 A 20030904

Priority

IT RM20020440 A 20020904

Abstract (en)

The present invention belongs to the class of the devices for material by mean of electrical and magnetic methods. The method and the device proposed in the present document are aimed to validate coins and counters by means of their value determining and can be used in payphones, automatic distributors, points of payment and various vending machines. <??>The present document claims universal method and relative device are proposed which use measurement principles of active and reactive parts of the current (or the tension) of electromagnetic sensor contemporarily on more frequencies with relative coin image formation and its identification. <??>The analyzing element of the device is a sensor composed of one, two or more bobbins connected between them and enveloped the polar extremes of magnetic conductor with a pass bigger the maximal coin thickness. The mentioned polar extremes have in the section a drop form or triangular form with the base corresponding to minimal diameter of the coin and with the altitude corresponding to maximal diameter of the coins. In order to achieve maximal sensibility and to minimize the sensor exposition at electromagnetic disturbs, the magnetic conductor is realized with maximal closure of the magnetic field with calibrated gap aimed for coin passageway or with double polar extremes for compensated measurement schemes or for those of bridge type. <IMAGE>

IPC 1-7

G07D 5/00

IPC 8 full level

G07D 5/08 (2006.01)

CPC (source: EP)

G07D 5/08 (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1411480 A2 20040421; EP 1411480 A3 20040929; IT RM20020440 A0 20020904; IT RM20020440 A1 20040305

DOCDB simple family (application)

EP 03425572 A 20030904; IT RM20020440 A 20020904