

Title (en)

Coil arrangement for coin validator

Title (de)

Spulenanordnung für Münzprüfer

Title (fr)

Arrangement de bobine pour sélecteur de pièces de monnaie

Publication

EP 1416445 B1 20100721 (DE)

Application

EP 03017366 A 20030731

Priority

DE 20216785 U 20021031

Abstract (en)

[origin: EP1416445A2] The coil apparatus has a rectangular transmitter (14) and receiver (16) coil which extend perpendicular to the direction in which the coins travel. The receiver coil is divided into an upper and a lower section (18,22). The upper section extends so far over the lower section that it is only partly covered by the smallest diameter coins. The lower section extends as far as or beyond the track (10) on which the coins (12) travel. The receiver coil has a one piece ferrite shell with a cylindrical core section (24) for the lower section, and an oval or elongate core section above the cylindrical core. An elongate coil body is provided which can be attached to the ferrite shell. The coil winding extends on the elongate coil body over the core section and downwards. A separate round coil body has a coil winding and is arranged within the elongate coil body on the cylindrical core.

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 1416445 A2 20040506; EP 1416445 A3 20041103; EP 1416445 B1 20100721; AT E475157 T1 20100815; DE 20216785 U1 20030109; DE 50312904 D1 20100902; ES 2345190 T3 20100917

DOCDB simple family (application)

EP 03017366 A 20030731; AT 03017366 T 20030731; DE 20216785 U 20021031; DE 50312904 T 20030731; ES 03017366 T 20030731