Title (en)
Device and method for detecting the amount of coins in a tank

Title (de)
Einrichtung und Verfahren zur bestimmung der Münzgeldmenge in einem Münztank.

Title (fr)
Système et procédé pour déterminer la quantité de monnaies se trouvant dans un réservoir.

Publication
EP 2230645 B1 20130410 (EN)

Application
EP 10002696 A 20100315

Priority
IT VI20090058 A 20090316

Abstract (en)
[origin: EP2230645A1] A device for measuring the number of coins in a coin handling device (G) comprising: one or more substantially tubular tanks (2); emitter means (4) of a magnetic field including at least one inductor (5) arranged peripherally to the tanks (2) and powered to generating the magnetic field susceptible to impinge the coins contained in the tanks (2); detector means (8) to detect magnetic losses of the magnetic field due to the coins; calculation means (9) to calculate the number of coins in the tanks (2) as a function of the magnetic losses. The emitter means (4) comprise a partition circuit composed by two passive elements (5, 7) one of which comprises the inductor (5). The detector means (8) include a measurement circuit (10) of the electric potential difference at the ends of the inductor (5) to measure the voltage value of the electric potential difference when the device (1) is powered so detecting the magnetic losses.

IPC 8 full level
G07D 1/00 (2006.01)

CPC (source: EP)
G07D 1/00 (2013.01)

Cited by
JP2022503298A; CN107123189A; EP2960873A1; US11842594B2; WO2020072000A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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EP 10002696 A 20100315; ES 10002696 T 20100315; IT VI20090058 A 20090316; PL 10002696 T 20100315; PT 10002696 T 20100315