

Title (en)

Coin dispensing system with coin tubes with capacitative coin level sensors

Title (de)

Münzausgabesystem mit Münzröhren mit kapazitativen Münzbestandsensoren

Title (fr)

Système distributeur de pièces de monnaie avec tubes à pièces de monnaie avec capteurs capacitatifs de niveau de remplissage

Publication

EP 2752822 A1 20140709 (EN)

Application

EP 13150051 A 20130102

Priority

EP 13150051 A 20130102

Abstract (en)

An in-passage sensing type coin dispenser system includes coin tubes mounted in a machine main unit, a coin dispenser unit for validating inserted coins and dispensing validated coins into the coin tubes, a coin hopper controllable to discharge coins out of the coin tubes, and a sensor module including multiple sets of electrodes mounted at the outer perimeter of each coin tube for generating a coupling capacitance and a detection circuit for converting the coupling capacitance from each set of electrodes into a respective digital signal indicative of a low-level or full-level coin storage status of the respective coin tube or the related metal coin storage amount.

IPC 8 full level

G07D 1/00 (2006.01)

CPC (source: EP)

G07D 1/00 (2013.01)

Citation (search report)

- [X] US 6267662 B1 20010731 - JARD PHILIPPE S [US], et al
- [A] EP 0680021 A1 19951102 - NAT REJECTORS GMBH [DE]
- [A] DE 10105332 A1 20020829 - HESS SB AUTOMATENBAU GMBH & CO [DE]

Cited by

CN109186806A

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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