

Title (en)
Coin dispenser

Title (de)
Münzausgabevorrichtung

Title (fr)
Distributeur de pièces

Publication
EP 2759986 A1 20140730 (EN)

Application
EP 14151912 A 20140121

Priority
JP 2013013707 A 20130128

Abstract (en)
An object of the present invention is to expand a dispensable diameter range of a coin dispenser that can dispense coins having diameters within a predetermined range without the need of part replacement and some sort of adjustment. Coins are dropped into and sorted by through holes one by one by forward rotation of a rotating disk, are guided by a circular coin guiding wall of a storage hole while the coins are pushed by pushers on a lower surface, the coins are then guided in the circumferential direction of the rotating disk by an outlet rotor constituting an outlet guide, are guided by a hopper, and are ejected by an ejecting roller. If coin jamming occurs, the rotating disk is rotated backward, and the coin pushed by a rear surface tip of the pusher is guided by a cylindrical surface of the outlet rotor. Since it is the cylindrical surface, the angle formed by the pushing force by the pusher and the reactive force from the outlet rotor is increased, the coin is returned into the storage hole, backward rotation can be continued, and the coin jamming can be eliminated.

IPC 8 full level
G07D 9/00 (2006.01); **G07D 1/00** (2006.01)

CPC (source: EP)
G07D 9/008 (2013.01); **G07D 1/00** (2013.01)

Citation (search report)

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GB2525289A; GB2525289B; EP3104344A1

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)
EP 2759986 A1 20140730; EP 2759986 B1 20161130; CN 103971442 A 20140806; CN 103971442 B 20160224; JP 2014146134 A 20140814; JP 6002929 B2 20161005; TW 201435815 A 20140916; TW I509573 B 20151121

DOCDB simple family (application)
EP 14151912 A 20140121; CN 201410040096 A 20140127; JP 2013013707 A 20130128; TW 103102142 A 20140121