

Title (en)
Coin dispenser

Title (de)
Münzausgabevorrichtung

Title (fr)
Distributeur de pièces

Publication
EP 2787491 A1 20141008 (EN)

Application
EP 14163351 A 20140403

Priority
JP 2013080026 A 20130406

Abstract (en)
An object of the present invention is to provide a coin dispenser that forms no pressed dent on coins by regulating pins, which causes the coins to move thereover upon backward rotation of a rotating disk. Coins are dropped into through holes and sorted one by one by forward rotation of a rotating disk, and each coin is guided in the circumferential direction of the rotating disk by a pair of regulating pins while being pushed by a pusher on a lower surface and slid on a base and is then dispensed by an ejecting roller. If coin jamming occurs, the coin, which is pushed in the opposite direction of the dispensing case by a back surface of the pusher, is guided by a pair of slopes formed on tips of the pair of regulating pins so as to get away from the base and is moved over the regulating pins. As a result, the rotating disk is continuously rotated, and coin jamming is eliminated. Since the pair of slopes are disposed so as to sandwich the coin, which is pushed in the opposite direction, in a V-shape. Therefore, the coin is always brought into contact with and pushed up by the pair of slopes. Therefore, pushing force does not concentrate on one part of the coin, and no pressed dent is formed.

IPC 8 full level
G07D 9/00 (2006.01)

CPC (source: EP)
G07D 9/008 (2013.01)

Citation (applicant)
• JP 2594435 Y2 19990426
• JP 4644632 B2 20110302

Citation (search report)
• [X] EP 1811467 A1 20070725 - ASAHI SEIKO CO LTD [JP]
• [IA] US 2006040604 A1 20060223 - WEI MING-SHAN [TW]

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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)
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