

Title (en)
Automatic change dispenser

Title (de)
Selbsttätige Wechselgeldausgabevorrichtung

Title (fr)
Distributeur automatique

Publication
EP 1302909 A1 20030416 (EN)

Application
EP 01830640 A 20011009

Priority
EP 01830640 A 20011009

Abstract (en)
An automatic change dispenser comprising at least one magazine for each coin denomination able to be connected to a counter or a cash-register to receive information relative to the amount of the change to be dispensed and to select the correct number of coins, characterized in that the coins (M) of each denomination are stacked in the magazines which are slightly inclined with respect to the vertical to reduce the weight of the stack resting on the lowest coin, and that the stacks of coins are placed side by side in pairs so that it is possible to dispense alternately coins (M) of two different denominations by the same actuator (3<I> DIVIDED 3<IV>), the inclination of the magazines reducing the force necessary to dispense the lowest coin (M). Each actuator includes a small anchor (3<I> DIVIDED 3<IV>) rotating in a plane which is parallel to the plane of the stacked coins, i.e. orthogonal to the axis of the magazines. Under rest conditions, each small anchor (3<I> DIVIDED 3<IV>) is located between two stacks of coins (M) placed side by side so that the side rotation of the small anchor (3<I> DIVIDED 3<IV>) toward one stack exerts a force to the lowest coin of the stack that pushes it outside the stack and then the magazine to a lower opening (4) in the resting plane of the coin so that the latter falls from such opening into the lower tray (2). <IMAGE>

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G07D 1/00

IPC 8 full level
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CPC (source: EP)
G07D 1/00 (2013.01)

Citation (search report)
• [XA] EP 0680021 A1 19951102 - NAT REJECTORS GMBH [DE]
• [A] WO 0016867 A1 20000330 - DOLPHIN ADV TECH PTY LTD [AU], et al
• [A] EP 0690418 A2 19960103 - NAT REJECTORS GMBH [DE]
• [A] DE 2334700 A1 19750123 - NEUE TECHNIK MBH GES
• [A] US 4326550 A 19820427 - MOCHIZUKI DAISUKE, et al
• [A] US 3180343 A 19650427 - GECEWICZ NORBERT A

Cited by
EP2017798A1; DE102007023678B4; DE102005043774A1; DE102005043774B4; NL2018089B1; DE102007031955B4; DE102007031955A1; US11232667B2; WO2018124879A1; US8007350B2

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