

Title (en)

AUTOMATIC COIN-OPERATED DEPOSIT LOCKING DEVICE FOR USE IN A SYSTEM OF CUSTOMER TROLLEYS

Title (de)

AUTOMATISCHES MIT MÜNZE BETÄTIGTES PFANDSCHLOSS FÜR EIN SYSTEM VON EINKAUFSWAGEN FÜR BENUTZER

Title (fr)

DISPOSITIF DE VERROUILLAGE DE CONSIGNE A PIECE AUTOMATIQUE UTILISE DANS UN SYSTEME DE CHARIOTS POUR CLIENTS

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Application

EP 99911628 A 19990326

Priority

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Abstract (en)

[origin: WO9952086A1] Automatic coin-operated deposit locking device to be fitted on a trolley which may form part of a coupled row of such trolleys, more specifically customer trolleys, shopping trolleys and baggage trolleys to be rented to customers against a deposit. The automatic device is designed to release a retained trolley from the row by insertion of a deposit of a certain value, for example a coin, into the automatic device, and to release the deposit inserted when the trolley is returned for re-coupling of the trolley to the row of trolleys, and with a locking opening accepting, retaining and releasing a key belonging to a preceding trolley in a row of trolleys. The automatic coin-operated deposit locking device consists of a combination of a deposit insertion gate (38) for insertion of a deposit of a form predetermined for example in terms of size, a scanning component (34) for the deposit displaceable in the insertion direction mentioned and extending into the gate, a scanning component (36) displaceable parallel to the deposit scanning component for insertion of the key of a preceding trolley, a blocking mechanism operatively movable transversally to both the insertion and exit directions of the deposit insertion gate (38) and the insertion direction of both the deposit scanning component (34) and the key scanning components (36), consisting of a catch (40) turnable around a shaft (44) running transversally to the insertion directions, and having a locking catch arm (56) with outwards open locking recesses (58) facing another deposit scanner (42) formed like a tong (60) with jaws (62) movable in relation to one another which combined constitute an opening facing the deposit insertion gate and constituting part of a side limitation of the latter, and the two arms of the handle of which both face the locking catch arm and are designed to either engage with or disengage from the outwards open locking recesses (58) of the locking catch (56), in connection with which the movability of the movable parts of the automatic device in relation to each other is spring loaded (68, 74, 78).

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