

Title (en)
Guiding device

Title (de)
Umlenkvorrichtung

Title (fr)
Dispositif de déviation

Publication
EP 2204781 A2 20100707 (DE)

Application
EP 10000025 A 20100105

Priority
DE 202009000228 U 20090106

Abstract (en)
The device (1) has flat base sheets (2) lying opposite to each other and made of metal, plastic or coated material, where the sheets form a path for coins or coin substitutes by spacers (10, 18). The spacers engage into openings (11) of the base sheets. The spacer (10) is formed with a bar-like area in one-piece, where the bar-like area serves as a boundary for the path. The spacer (10) is designed in a hook-shape at an end area. The sheets are detachably fixed relative to each other by a screw (12) e.g. knurled screw, that is arranged at a protruding guide remote from the path of the coins.

Abstract (de)
Umlenkvorrichtung insbesondere für Münzen oder für Münzersatz zur Führung, Umlenkung und/oder zur Änderung der Position oder der Lage der Münzen oder des Münzersatzes insbesondere innerhalb eines Automaten, wobei die Umlenkvorrichtung aus zwei beabstandet sich gegenüberliegenden im Wesentlichen flachen Grundblechen besteht, die mittels Abstandshaltern eine Bahn für die Münzen oder für den Münzersatz bilden, wobei die Abstandshalter in Öffnungen der Grundbleche eingreifen und damit die Grundbleche relativ zueinander fixieren.

IPC 8 full level
G07F 1/04 (2006.01)

CPC (source: EP)
G07F 1/04 (2013.01)

Citation (applicant)
• DE 4224029 A1 19931014 - NSM AG [DE]
• DE 2116236 A1 19721019 - SEL
• GB 1356119 A 19740612 - THOMAS AUTOMATICS CO LTD

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
DE 202009000228 U1 20090319; DK 2204781 T3 20190819; EP 2204781 A2 20100707; EP 2204781 A3 20110427; EP 2204781 B1 20190724; ES 2740362 T3 20200205; HR P20191447 T1 20191115; HU E045636 T2 20200128; LT 2204781 T 20190826; ME 03449 B 20200120; PL 2204781 T3 20191231; PT 2204781 T 20190829; RS 59085 B1 20190930; SI 2204781 T1 20190930

DOCDB simple family (application)
DE 202009000228 U 20090106; DK 10000025 T 20100105; EP 10000025 A 20100105; ES 10000025 T 20100105; HR P20191447 T 20190809; HU E10000025 A 20100105; LT 10000025 T 20100105; ME P2019220 A 20100105; PL 10000025 T 20100105; PT 10000025 T 20100105; RS P20191010 A 20100105; SI 201031922 T 20100105