

Title (en)
AUTOMATIC DETECTING AND SORTING DEVICE FOR CIRCULATING ELEMENTS

Title (de)
AUTOMATISCHE ERKENNUNGS- UND SORTIERVORRICHTUNG FÜR UMLAUFENDE TRÄGER

Title (fr)
DISPOSITIF DE DÉTECTION ET TRI DES ÉLÉMENTS EN CIRCULATION

Publication
EP 3173159 B1 20180214 (EN)

Application
EP 15196049 A 20151124

Priority
EP 15196049 A 20151124

Abstract (en)
[origin: EP3173159A1] An automatically cycling detecting-and-sorting device has a base (10), multiple accommodating elements (20), at least one pushing rod, multiple side rods (50), and a detector (40). An object under inspection is put in one of the accommodating elements (20). The accommodating element (20) is conveyed along a first channel (14) of the base (10) and is under detection of the detector (40). The accommodating element (20) is conveyed to the discharging region (13) and then conveyed back to the feeding region (11), or is pushed away and then conveyed back to the feeding region (11). Because each object under inspection is accommodated in an individual accommodating element (20), even though any object in the accommodating element (20) fails to pass the detection, the disqualified accommodating element (20) is pushed away individually without affecting the processing of other accommodating elements (20).

IPC 8 full level
B07C 5/36 (2006.01)

CPC (source: EP)
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Cited by
CN109489782A; CN113909142A

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