

Title (en)
EMPTY BOTTLE COLLECTOR

Title (de)
LEERFLASCHEN-RÜCKNAHMEGERÄT

Title (fr)
APPAREIL DE REPRISE DES BOUTEILLES VIDES

Publication
EP 0738409 A1 19961023 (DE)

Application
EP 95904432 A 19941207

Priority
• DE 4400251 A 19940107
• EP 9404074 W 19941207

Abstract (en)
[origin: EP0802511A2] The collector has a housing with a bottle input chamber with closable insertion aperture, a motorised conveyor passing empties from the input chamber to a bottle magazine (22), a bottle detector and associated controller for the conveyor. There can be a deposit coin output. The insertion chamber has a surface for receiving upright bottles and the magazine has a base at the height of this surface for receiving upright bottles. The magazine is accessible from the stationary insertion chamber via a closable opening. The conveyor has a linearly reciprocally movable transverse slider and the detector has a reciprocally movable sensor slider (44) crossing the path of the transverse slider in the region of the insertion chamber (14). The sensor slider carries sensors (48) for contactless detection of the bottle contours and dia.

IPC 1-7
G07F 7/06

IPC 8 full level
G07F 7/06 (2006.01)

CPC (source: EP US)
G07F 7/0609 (2013.01 - EP US)

Citation (search report)
See references of WO 9519020A1

Cited by
DE102010040177A1; EP2256701A2; DE102009026557A1; DE102009026557B4

Designated contracting state (EPC)
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EP 97111001 A 19941207; AT 95904432 T 19941207; AT 97111001 T 19941207; CA 2179806 A 19941207; DE 4443406 A 19941207; DE 59405496 T 19941207; DE 59410102 T 19941207; EP 9404074 W 19941207; EP 95904432 A 19941207; ES 95904432 T 19941207; FI 962760 A 19960705; JP 51829395 A 19941207; NO 962851 A 19960705; US 67618396 A 19960703