

Title (en)

HANDLING SYSTEM FOR EMPTIES

Title (de)

LEERGUTHANDLING FÜR RÜCKNAHMESYSTEME

Title (fr)

SYSTÈME DE MANUTENTION POUR DES BOUTEILLES CONSIGNÉES

Publication

**EP 3166736 A1 20170517 (DE)**

Application

**EP 15728477 A 20150603**

Priority

- DE 102014109653 A 20140710
- EP 2015062461 W 20150603

Abstract (en)

[origin: WO2016005116A1] The invention relates to a sorting device for sorting empty containers according to type and packaging said empty containers in empty-goods collection boxes. In order to provide a sorting device that enables the sorting of empty containers according to type and the packaging of said empty containers already at the empty-goods return point for the consumer, a box buffer designed to hold empty-goods collection boxes, a transport system designed to transfer individual empty containers from a detection unit into the box buffer, and a guiding system for diverting the empty containers from the transport system into an empty-goods collection box are provided.

IPC 8 full level

**B07C 5/12** (2006.01)

CPC (source: EP)

**B07C 5/126** (2013.01); **B65B 21/02** (2013.01)

Citation (search report)

See references of WO 2016005116A1

Cited by

CN109747887A

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2016005116 A1 20160114**; DE 102014109653 A1 20160114; EP 3166736 A1 20170517; EP 3166736 B1 20180926

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