

Title (en)

Device and method for identifying empty bottles

Title (de)

Vorrichtung und Verfahren zur Identifizierung von Leergut

Title (fr)

Dispositif et procédé d'identification de bouteilles consignées

Publication

**EP 2269747 B1 20120418 (DE)**

Application

**EP 09164347 A 20090701**

Priority

EP 09164347 A 20090701

Abstract (en)

[origin: EP2269747A1] The device (1) has a light source (1.1) for sending light (L), and an optical unit (1.2) provided for diverting and reflecting the light. A transport device (3) is positioned in a predetermined position between two reflectors (1.2.1, 1.2.2) of the optical unit, where one of the reflectors is formed from a painted metal plate. A camera (1.3) records the reflected light. The optical unit is arranged such that the empty bottles are supplied with the light transmitted from the light source in two directions (Z, -Z). An independent claim is also included for a method for identifying empty bottles.

IPC 8 full level

**B07C 5/12** (2006.01); **G01N 21/90** (2006.01)

CPC (source: EP)

**B07C 5/126** (2013.01)

Cited by

CN103198312A; DE102014217771A1; CN105234521A; CN105234567A; US10491788B2; DE102014217771B4; EP3797884A1; DE102019214524B4

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