

Title (en)

Inspection device for empties crates and the containers in them

Title (de)

Inspektionsvorrichtung für Leergutkästen und die in diesen enthaltenen Behälter

Title (fr)

Dispositif d'inspection pour caisses consignées et les récipients contenus dans celles-ci

Publication

EP 1747821 A1 20070131 (DE)

Application

EP 06012718 A 20060621

Priority

DE 102005035868 A 20050730

Abstract (en)

The inspection device has an electronic camera (20) and computer-assisted system for electronic image processing. Each take of the camera contains at least two individual pictures from two different directions of the object under investigation. A mirror unit (16) in the beam path between bottle/crate(13) and lens fits between the inspection position and the camera lens and is formed solely by deflection mirrors (18,19) which deflect the light rays. independent claim describes method for operating inspection device where partial images recorded from different directions are used for image analysis.

IPC 8 full level

B07C 5/12 (2006.01); **B07C 5/342** (2006.01)

CPC (source: EP)

B07C 5/126 (2013.01); **B07C 5/3422** (2013.01); **G07F 7/06** (2013.01)

Citation (applicant)

- DE 19509631 A1 19960919 - KAPPNER HELMUT A [DE]
- AT E47974 T1 19891215 - HALTON OY [FI]

Citation (search report)

- [DY] DE 19509631 A1 19960919 - KAPPNER HELMUT A [DE]
- [Y] WO 03016886 A1 20030227 - KRONES AG [DE], et al
- [Y] DE 9313115 U1 19941006 - KRONSEDER MASCHF KRONES [DE]
- [Y] DE 2522462 A1 19751204 - BARRY WEHMILLER CO

Cited by

EP2128829A3; DE102010036762A1; DE102010036762B4

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1747821 A1 20070131; **EP 1747821 B1 20111102**; AT E531464 T1 20111115; DE 102005035868 A1 20070208; DE 102005035868 B4 20101216; PL 1747821 T3 20120330

DOCDB simple family (application)

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