

Title (en)
FULL INSPECTION OF THE INNER WALL OF TRANSPARENT CONTAINERS

Title (de)
VOLLINSPEKTION DER INNENWAND TRANSPARENTER GEBINDE

Title (fr)
INSPECTION COMPLETE DE LA PAROI INTERIEURE DE RECIPIENTS TRANSPARENTS

Publication
EP 1604192 A1 20051214 (DE)

Application
EP 03722259 A 20030404

Priority
• DE 0301114 W 20030404
• DE 10310273 A 20030310

Abstract (en)
[origin: DE10310273A1] Method and device in which a transparent packaging item is image from above and below using cameras positioned below and above the bottle. The recorded images are processed and analyzed, whereby an illumination device is placed opposite to the camera in each case in order to illuminate the inner wall of the container. The individual recording units, each comprising a camera and illumination device can be positioned sequentially is separate stations or combined in a single station with coaxial opposing cameras and illumination devices.

IPC 1-7
G01N 21/90; B07C 5/12

IPC 8 full level
G01N 21/90 (2006.01)

CPC (source: EP)
G01N 21/9018 (2013.01)

Citation (search report)
See references of WO 2004081550A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 10310273 A1 20040923; AU 2003229511 A1 20040930; DE 10394241 D2 20060126; EP 1604192 A1 20051214;
WO 2004081550 A1 20040923

DOCDB simple family (application)
DE 10310273 A 20030310; AU 2003229511 A 20030404; DE 0301114 W 20030404; DE 10394241 T 20030404; EP 03722259 A 20030404