

Title (en)  
INSPECTION SYSTEM FOR EXTERIOR ARTICLE SURFACES

Title (de)  
SYSTEM ZUR INSPEKTION DER ÄUSSEREN OBERFLÄCHE VON GEGENSTÄNDE

Title (fr)  
SYSTEME D'INSPECTION DES SURFACES EXTERIEURES D'OBJETS

Publication  
**EP 0870274 A4 19981125 (EN)**

Application  
**EP 96920459 A 19960524**

Priority

- US 9607610 W 19960524
- US 47449295 A 19950607

Abstract (en)  
[origin: WO9641299A1] A system for automated inspection of article exteriors includes a plurality of video cameras (32). One or more of these video cameras (32) is black and white while at least one is color capable. A strobe light for illuminating a specimen (22) disposed in a specimen area (24) onto which all of the cameras (32) are focused. The strobe allows for each camera (32) to capture a still image of the specimen (22). The black and white cameras (32) capture images which allow determining whether the exterior layout is acceptable. The color camera or cameras (30) captures an image which allows determining whether the coloration of the specimen (22) is acceptable. Specimens (22) are selectively rejected on the basis of these acquired images. The system is particularly useful in inspection of beverage container (22) and their associated labelling.

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**G06K 9/00**

IPC 8 full level  
**G01N 21/90** (2006.01); **G06T 7/00** (2006.01); **G01N 33/00** (2006.01)

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Citation (search report)

- [A] G DOMENECH ASENSI ET AL: "AUTOMATIC COLOR IDENTIFICATION SYSTEM THROUGH COMPUTER VISION TECHNIQUES FOR ITS APPLICATION IN CLASSIFICATION OF CANNED VEGETABLE TINS ACCORDING TO PRODUCT SIZES AND QUALITIES", PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS, SAN ANTONIO, OCT. 2 - 5, 1994, vol. 1, 2 October 1994 (1994-10-02), INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, pages 868 - 872, XP000530753
- [A] "100 percent visually inspected packages", ROBOTICS WORLD, JULY-AUG. 1985, USA, vol. 3, no. 8, ISSN 0737-7908, pages 36, XP002079308
- See references of WO 9641299A1

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