

Title (en)

Apparatus and method for identification of flasks and containers

Title (de)

Vorrichtung und Verfahren zur Erkennung von Behältern und Gebinden

Title (fr)

Dispositif et méthode pour l'identification de récipients et conteneurs

Publication

**EP 1645866 A2 20060412 (DE)**

Application

**EP 05021871 A 20051007**

Priority

DE 102004049260 A 20041009

Abstract (en)

The apparatus has an illuminating device and a camera which are so arranged that light from the illumination device is reflected from the containers or parts of the package and can be received by the camera. The apparatus has a second illumination device such that even the diffuse characteristics of the reflected light can be received unaffected by reflections by the camera (8,9). Independent claims also cover a method of identifying containers etc.

IPC 8 full level

**G01N 21/90** (2006.01); **B07C 5/12** (2006.01); **B07C 5/34** (2006.01)

CPC (source: EP)

**B07C 5/122** (2013.01)

Citation (applicant)

- WO 02054051 A2 20020711 - KRONES AG [DE], et al
- WO 9819150 A2 19980507 - KRONSEDER MASCHF KRONES [DE], et al
- EP 0060918 A1 19820929 - SIEMENS AG [DE]

Cited by

EP1887345A1; CN106061631A; DE102006034432A1; CN111897178A; CN104949997A; DE102012104223A1; CN108435598A; EP2899535A1; CN104792797A; DE202017105355U1; WO2008015216A1; WO2015074985A1; WO2018050353A1

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