

Title (en)

METHOD AND DEVICE FOR OPTICALLY INSPECTING CONTAINERS IN A DRINKS PROCESSING SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR OPTISCHEN INSPEKTION VON BEHÄLTERN IN EINER GETRÄNKEVERARBEITUNGSANLAGE

Title (fr)

PROCÉDÉ ET DISPOSITIF D'INSPECTION OPTIQUE DE RÉCIPIENTS DANS UN SYSTÈME DE TRAITEMENT DE BOISSONS

Publication

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Application

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Abstract (en)

[origin: WO2021213779A1] The invention relates to a method (100) for optically inspecting containers in a drinks processing system, wherein the containers are transported as a container mass flow using a transporter (101) and captured as camera images by an inspection unit arranged in the drinks processing system (102), and wherein the camera images are inspected for faults by a first evaluation unit using a conventional image processing method (103), wherein the camera images with faulty containers are classified as fault images and the faults are correspondingly assigned to the fault images as fault markings (104), wherein the camera images with containers considered to be good quality are classified as fault-free images (105), the fault images, the fault markings and the fault-free images are compiled as a specific training data set (106), and wherein, using the specific training data set, a second evaluation unit is trained in situ with an image processing method working on the basis of artificial intelligence (108).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2021213779A1

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