

Title (en)

METHOD AND APPARATUS FOR INSPECTION OF SURFACES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR INSPEKTION VON OBERFLÄCHEN

Title (fr)

PROCÉDÉ ET APPAREIL POUR INSPECTION DE SURFACES

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Application

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Abstract (en)

[origin: WO2011005110A1] A method and an apparatus for inspection of at least one surface of an object (2) having an elongated shape in a direction (X) where an illuminating device(ID), that may comprise at least two illuminators (1a, 1b) or a non-discrete light array, is arranged in the vicinity of the object. At least one image digitization device (20) is arranged for capturing images of said surface. The illuminating device is further aligned in a manner with regard to the direction (X), thereby illuminating a part of the surface of said object (2) at an angle (a, a') in a dark field and/or bright field condition, whereby defects in the said surface can be visualized and imaged. In particular 3D defects, pressure lines, dents, dielines etc. in extruded products can be detected. An image processing unit can compare captured data with stored threshold data for quality inspection and grading. If rejection is necessary, a manipulator can be controlled in accordance to this and remove rejected objects. The object and/or apparatus can be arranged for movement along direction (X).

IPC 8 full level

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