

Title (en)
OPTICAL DEVICE AND METHOD FOR INSPECTING STRUCTURED OBJECTS

Title (de)
OPTISCHE VORRICHTUNG UND VERFAHREN ZUR INSPEKTION VON STRUKTURIERTEN OBJEKTEN

Title (fr)
DISPOSITIF OPTIQUE ET PROCEDE D'INSPECTION D'OBJETS STRUCTURES

Publication
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Application
EP 11721347 A 20110419

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Abstract (en)
[origin: WO2011135231A1] The present invention relates to a microscope device for inspecting structured objects, said microscope device including: a camera (1); an optical imaging means (2) capable of producing, on the camera, an image of the object according to a field of view, and including a distal lens (3) arranged on the side of the object (4); and a low-coherence infrared interferometer (5) including a measurement beam capable of producing measurements by means of interferences between retroreflections of said measurement beam and at least one separate optical reference. The device also includes coupling means (7) for injecting the measurement beam into the optical imaging means in such a way that the beam passes through the distal lens, and the low-coherence infrared interferometer is balanced in such a way that only the measurement beam retroreflections, taking place at optical distances close to the optical distance covered by said beam to the object, produce measurements.

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Citation (search report)
See references of WO 2011135231A1

Citation (examination)
• JP 2004294155 A 20041021 - OYOKODEN LAB CO LTD, et al
• US 2006044566 A1 20060302 - LI CHIAN CHIU [US]

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JP 2013528791 A 20130711; JP 2017096956 A 20170601; JP 6273142 B2 20180131; KR 101842291 B1 20180504;
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