

Title (en)

PHOTOTHERMAL INSPECTION CAMERA HAVING AN OFFSET ADJUSTING DEVICE

Title (de)

PHOTOTHERMISCHE INSPEKTIONSKAMERA MIT ABGLEICHEINSTELLUNGSVORRICHTUNG

Title (fr)

CAMERA D'EXAMEN PHOTOTHERMIQUE A DISPOSITIF DE REGLAGE DE L'OFFSET

Publication

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Application

EP 06726147 A 20060327

Priority

- FR 2006000663 W 20060327
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Abstract (en)

[origin: WO2006114487A1] This photothermal inspection camera (16) comprises: a system (22) for forming a laser beam (4) having a device (40) for lengthening the section of the beam for forming, on a surface of a part (1) to be examined, a heating zone (2) lengthened along one direction; a matrix (8) of infrared detectors for detecting an infrared radiation (5) emitted by a detection zone (3) on the surface (1a) of the part (1) with regard to the heating zone (2), and; a unit (46) for processing signals furnished by the infrared detectors in order to construct a thermographic image of the surface (1a) of this part (1) by scanning the surface (1a) via the heating zone (2). The camera comprises a system for mechanically adjusting an offset (d) between the lengthened heating zone (2) and the detection zone (3). The invention is for use in the non-destructive testing of parts.

IPC 8 full level

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Citation (search report)

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