

Title (en)

PHOTOTHERMAL TEST CAMERA PROVIDED WITH AN OPTICAL DEVICE FOR EXTENDING A LASER BEAM SECTION

Title (de)

MIT EINER OPTISCHEN VORRICHTUNG ZUR VERLÄNGERUNG EINES LASERSTRAHLABSCHNITTS VERSEHENE PHOTOTHERMISCHE TESTKAMERA

Title (fr)

CAMERA D'EXAMEN PHOTOTHERMIQUE A DISPOSITIF OPTIQUE D'ALLONGEMENT DE LA SECTION D'UN FAISCEAU LASER

Publication

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Application

EP 06726150 A 20060330

Priority

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Abstract (en)

[origin: WO2006114490A2] The inventive photothermal test camera (16) is provided with a laser beam (4) shaping system (22) comprising a device (40) for extending the laser beam section in such a way that a heating area (2) extended in a direction (D) is formed on the surface of a testable piece (1), an array (8) of infrared sensors (10) for detecting a infrared radiation transmitted by a detection area (3) on the surface (1a) of the piece (1) with respect to the heating area (2) and a unit (46) for processing signals transmitted by the infrared sensors (10) in such a way that a thermographic image of the piece (1) surface (1a) is produced by scanning said surface (1a) with the aid of the heating area (2). An extending device (40) is embodied in the form of an optical device. Said invention can be used for non-destructive testing.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

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