

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
EP 1875217 A1 20080109 (FR)

Application
EP 06726147 A 20060327

Priority
• FR 2006000663 W 20060327
• FR 0504332 A 20050428

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
G01N 25/72 (2006.01)

CPC (source: EP KR US)
G01N 25/72 (2013.01 - EP KR US)

Citation (search report)
See references of WO 2006114487A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
HR

DOCDB simple family (publication)
WO 2006114487 A1 20061102; CN 101189506 A 20080528; EP 1875217 A1 20080109; FR 2885221 A1 20061103; FR 2885221 B1 20070727; JP 2008539403 A 20081113; KR 20080012891 A 20080212; US 2008185520 A1 20080807; ZA 200709073 B 20081029

DOCDB simple family (application)
FR 2006000663 W 20060327; CN 200680019687 A 20060327; EP 06726147 A 20060327; FR 0504332 A 20050428; JP 2008508248 A 20060327; KR 20077027322 A 20071123; US 91292306 A 20060327; ZA 200709073 A 20071022