

Title (en)

DEVICE FOR ANALYSING AN INFRARED LASER BEAM AND A LASER PROCESSING SYSTEM OF WHICH THE DEVICE FORMS PART

Title (de)

EINRICHTUNG ZUR ANALYSE EINES INFRAROTLASERSTRAHLS UND DAMIT GEBILDETES LASERVERARBEITUNGSSYSTEM

Title (fr)

DISPOSITIF POUR ANALYSER UN FAISCEAU LASER INFRAROUGE ET SYSTEME DE TRAITEMENT PAR LASER COMPRENANT LEDIT DISPOSITIF

Publication

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Application

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Priority

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Abstract (en)

[origin: WO02052232A2] Device for analysing an infrared laser beam and comprising means for providing a two-dimensional image of the laser beam and means for scanning successive lines of images and for generating a time-varying output signal of an amplitude being proportional to the light intensity in each of the points of the scanned lines. The device further comprises means for digitalising the output signal to allow storage of data representing an image of the energy distribution in the laser beam, and means for signal processing the data and analysing each image. According to the invention the infrared beam illuminates a surface or a screen (15) converting the incident infrared light into visible light which may be recorded by means of an inexpensive CCD camera (13).

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