

Title (en)

METHOD AND SYSTEM FOR STRUCTURAL ANALYSIS OF AN OBJECT BY MEASURING THE WAVE FRONT THEREOF

Title (de)

VERFAHREN UND SYSTEM ZUR STRUKTURANALYSE EINES OBJEKTS DURCH MESSUNG DESSEN WELLENFRONT

Title (fr)

PROCEDE ET SYSTEME D'ANALYSE STRUCTURELLE D'UN OBJET PAR MESURE DE FRONT D'ONDE

Publication

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Application

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Abstract (en)

[origin: WO2011042674A1] The present invention relates to a system for structural analysis of an object (1), including a means (2) for generating an input light beam (3) arranged such as to make the generated input beam (3) interact with at least one portion of the object (1), and a means (4) for receiving the output light beam (5) resulting from the interaction between the input beam (3) and the object (1). In said system, the reception means (4) includes a wave-front analyser (4) arranged such as to measure the electromagnetic field of the wave of the received output beam (5), and the generation means (2) has spatial coherence adapted to that of the reception means (4). The invention also relates to a structural analysis method implementing such a system.

IPC 8 full level

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Citation (search report)

See references of WO 2011042674A1

Citation (examination)

NEAL D R ET AL: "Amplitude and phase beam characterization using a two-dimensional wavefront sensor", PROCEEDINGS OF SPIE, vol. 2870, 20 November 1996 (1996-11-20), pages 72 - 82, XP055172169, ISSN: 0277-786X, DOI: 10.1117/12.259947

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