

Title (en)

METHOD OF DETERMINING AN OPTICAL WAVE DISTURBANCE

Title (de)

VERFAHREN ZUR BESTIMMUNG EINER OPTISCHEN WELLENSTÖRUNG

Title (fr)

PROCEDE DE DETERMINATION D'UNE PERTURBATION D'UNE ONDE OPTIQUE

Publication

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Application

EP 08736372 A 20080418

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- FR 0754604 A 20070420

Abstract (en)

[origin: WO2008135363A1] According to the invention, a first wave (24) that has undergone a disturbance is made to interfere with an adaptive and continuously adjustable second wave (32), serving as reference wave, in order to obtain a set of interference fringes, the phase of the first wave is reconstructed from this set of fringes, and the disturbance (22) is determined from the phase thus reconstructed. The shape of the wavefront of the second wave is dynamically adjusted so as to obtain a number of interference fringes adapted to the reconstruction of the phase. The invention applies in particular to the characterization of defects present in optical components.

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