

Title (en)
INTERFEROMETER SYSTEM, METHOD FOR RECORDING AN INTERFEROGRAM AND METHOD FOR PROVIDING AND MANUFACTURING AN OBJECT WITH A SPECIFIED SURFACE

Title (de)
INTERFEROMETERSYSTEM, VERFAHREN ZUM AUFNEHMEN EINES INTERFEROGRAMMS UND VERFAHREN ZUM BEREITSTELLEN UND HERSTELLEN EINES OBJEKTS MIT EINER SOLL-OBERFLÄCHE

Title (fr)
SYSTEME D'INTERFEROMETRE, PROCEDE POUR ENREGISTRER UN INTERFEROGRAMME, PROCEDE POUR PREPARER ET POUR FABRIQUER UN OBJET A SURFACE NOMINALE

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Abstract (en)
[origin: WO03002933A1] The invention relates to a interferometer system, comprising a reference surface, a mounting for an object which provides an object surface, a radiation source for emitting radiation of an adjustable frequency onto the reference and object surfaces, a positioning radiation detector and a control mechanism for adjusting a plurality of various frequencies of the radiation emitted by the radiation source. Said system also comprises an integrator for the location-dependent determination of the interference pattern which is superimposed on the radiation detector at various frequencies. The invention also relates to a method for recording an interferogram, a method for providing an object with a specified surface and a method for manufacturing the same.

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