

Title (en)

OPTICAL WAVEGUIDE INTERFEROMETER COMPRISING A LAMINATE STRUCTURE WITH A FIRST PLANAR WAVEGUIDE MONOLAYER AND A SECOND SANDWICH LAYER

Title (de)

OPTISCHER WELLENLEITERINTERFEROMETER IN MEHRSCICHTSTRUKTURFORM MIT EINER ERSTENPLANEN WELLENLEITERMONOLAGENSCHICHT UND EINER ZWEITEN SANDWICH-SCHICHT

Title (fr)

INTERFEROMETRE A GUIDE D'ONDE OPTIQUE COMPORTANT UNE STRUCTURE STRATIFIEE CONSTITUEE D'UNE PREMIERE MONOCOUCHE A GUIDE D'ONDE PLANAIRE ET D'UNE SECONDE COUCHE SANDWICH

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Application

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Abstract (en)

[origin: WO2004020987A1] The present invention relates to an optical waveguide interferometer comprising a laminate structure with a monolayer constituting a first planar waveguide (2) and a sandwich layer constituting a second planar waveguide (4), wherein the laminate structure is integrated with a lowermost substrate (5) and comprises the second planar waveguide (4) located above and spaced apart from the first planar waveguide (2) by a spacer monolayer (3). The sandwich layer (4) comprises a first layer (4a) exhibiting a first refractive index spaced apart from a second layer (4c) exhibiting a second refractive index by a spacer (4b), wherein the refractive index of the spacer (4b) is less than that of the first refractive index and of the second refractive index.

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