

Title (en)
INTEGRATED OPTICS COMPONENT COMPRISING A CLADDING AND METHOD FOR MAKING SAME

Title (de)
INTEGRIERTER OPTISCHER VORRICHTUNG UND DEREN HERSTELLUNGSVERFAHREN

Title (fr)
COMPOSANT D'OPTIQUE INTEGREE ET SON PROCEDE DE REALISATION

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Application
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Abstract (en)
[origin: WO03096083A2] The invention concerns an integrated optics component comprising in a substrate (7) at least an optical guide core (11) and at least a cladding (9), the core and the cladding being independent of each other in the substrate, at least one portion of said cladding enclosing at least one portion of said core to define at least one so-called interactive region (20) between the core and the cladding, the refractive index of the cladding being different from the refractive index of the substrate and lower than the refractive index of the core at least in the part proximate the core and at least in the interactive region, a light wave being introduced into said region through the guide and/or through the cladding. The invention is applicable in particular in the field of optical telecommunications for producing for example a spectral or spatial filter, or a Mach-Zehnder interferometer or a temperature sensor.

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