

Title (en)
OPTICAL INTERCONNECTION MODULE

Title (de)
MODUL FÜR OPTISCHE VERBINDUNGEN

Title (fr)
MODULE D'INTERCONNEXION OPTIQUE

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Application
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Priority
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Abstract (en)
[origin: WO03050583A2] The invention concerns an optical interconnection module (1) between a fiber (2) and an electro-optical component (3) comprising a body (5) made of transparent plastic material, wherein is maintained one end of the fiber. The component (3) is arranged at least partly in a cavity (6) of the module. The positioning of the fiber end relative to the component is obtained by plastic deformation of the module body (5), produced by locally heating the body (5). The heated part of the body may consist of a thin annular wall delimiting, at the upper part of a shape-retaining central part of the body, the cavity wherein is positioned the electro-optical component (3). An insert (7) made of ferromagnetic material arranged in an intermediate zone of the module body, between the fiber end and the electro-optical component, can also, when induction-heated, deform the body (5).

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