

Title (en)

OPTICAL SEMICONDUCTOR DEVICE WITH TRANSPARENT SUPPORT

Title (de)

OPTISCHES HALBLEITERBAUELEMENT MIT EINEM LICHTDURCHLÄSSIGEN TRÄGERELEMENT

Title (fr)

DISPOSITIF SEMI-CONDUCTEUR OPTIQUE A SUPPORT TRANSPARENT

Publication

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Application

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Priority

- FR 0104144 W 20011221
- FR 0017266 A 20001229

Abstract (en)

[origin: WO02054498A1] The invention concerns an optical semiconductor device, comprising a semiconductor component (2) whereof one front surface has an optical sensor (3), a transparent wafer (6), and a rear surface has electrical connection lines or strips (8), fixing means (5, 10, 11) for fixing the front surface of said semiconductor component on the rear surface of said transparent wafer, electrical connection means (5) for electrically connecting said semiconductor component to said electrical connection lines, and encapsulating means comprising a material for coating said connection means (5) and the periphery of said semiconductor component (2) on the rear surface of said transparent wafer (6), so as to constitute a peripheral sealing ring (11) between said semiconductor component and the rear surface of said transparent wafer, said electrical connection lines (8) extending beneath said sealing ring and outside the latter.

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