

Title (en)

EMISSION MODULE FOR AN OPTICAL SIGNAL TRANSMISSION

Title (de)

SENDEMODUL FÜR EINE OPTISCHE SIGNALÜBERTRAGUNG

Title (fr)

MODULE D'EMISSION DESTINE A UNE TRANSMISSION DE SIGNAL OPTIQUE

Publication

EP 1379903 A1 20040114 (DE)

Application

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Priority

DE 0101538 W 20010418

Abstract (en)

[origin: WO02084358A1] The invention relates to an emission module for an optical signal transmission, comprising an emission unit (1) which emits light of a certain wavelength, an emission unit substrate (3) on which the emission unit is arranged or embodied, a detection unit (2) which detects light of a certain wavelength, and a detection unit substrate (4) on which the detection unit is arranged or embodied. According to the invention, the emission unit substrate (3) and/or the detection unit substrate (4) are transparent to the wavelength emitted by the emission unit (1), and the emission unit (1) and the detection unit (2) are superposed in the direction of the light emitted. The inventive solution enables the emission unit (1) and the detection unit (2) to be optically coupled without requiring additional optical components such as reflecting surfaces. Novel, compact optical systems can thus be carried out in an emission module.

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IPC 8 full level

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