

Title (en)

METHOD AND DEVICE FOR COUPLING OPTICAL WAVEGUIDES

Title (de)

VERFAHREN UND VORRICHTUNG ZUM KOPPELN VON LICHTWELLENLEITERN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE COUPLAGE DE GUIDES D'ONDES

Publication

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Application

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Abstract (en)

[origin: WO2007051611A2] The invention relates to a method and a device (2; 20) for coupling optical waveguides (8, 9, 12). The device (2; 20) for coupling optical waveguides (8, 9, 12) comprises at least one element (4; 22) for accommodating a cartridge (5; 23). Said cartridge (5; 23) is connected to the at least one accommodating element (4; 22) so as to be movable relative thereto while being provided with at least one mounting element (38) for a coupling element to which at least one of the optical waveguides (8) and at least one other optical waveguide (9) can be connected. The at least one accommodating element (5; 22) is embodied so as to accommodate only said one cartridge (5; 23) while encompassing two guiding mechanisms (30, 31) which allow the at least one optical waveguide (8) and at least one other optical waveguide (9) to be delivered to the cartridge, the two guiding mechanisms (30, 31) allowing the at least one optical waveguide (8) and the at least one other optical waveguide (9) to penetrate into the accommodating element (4; 22) in different directions. In the inventive method, the at least one optical waveguide (8) and the at least one other optical waveguide (9), which run into the at least one accommodating element (4; 22) from different directions, are delivered to the one cartridge (5; 23) via a different of the two guiding mechanisms (30, 31), respectively, and the at least one optical waveguide (8) and the at least one other optical waveguide (9) are connected at the coupling element of the cartridge (5; 23), said coupling element being disposed on the mounting element of the cartridge (5; 23).

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