

Title (en)

FIBRE-OPTICAL CONNECTOR, AND SINGLE AND DOUBLE COUPLER FOR RECEIVING ONE SUCH CONNECTOR

Title (de)

FASEROPTISCHER STECKER SOWIE EINFACH- UND DOPPELKUPPLUNG ZUR AUFNAHME EINES DERARTIGEN STECKERS

Title (fr)

CONNECTEUR OPTIQUE ET COUPLAGE SIMPLE ET DOUBLE DESTINE A RECEVOIR UN TEL CONNECTEUR

Publication

**EP 1680697 A1 20060719 (DE)**

Application

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Abstract (en)

[origin: WO2005045497A1] The invention relates to a connector for creating an optical waveguide connector-in connection for an optical waveguide cable containing an optical waveguide, said connector comprising a housing, a ferrule holder arranged in the housing, and a locking device arranged outside the housing, on a narrow side thereof. The inventive connector has a housing (3) that has the outer shape of an RJ-45 connector, is open on the front side (12) and the rear side thereof, and has an inner region surrounded by the narrow sides (14) extending parallel to the longitudinal axis of the connector-in connection (L), and a catch spring (10) used as a locking device for engaging in a coupling (22,26), the catch spring (10) being elastically connected to the housing (3). Ferrule holders (4) for each of the optical waveguides guided into the inner region through the rear side (13) of the housing (3) are arranged in the inner region, each ferrule holder (4) being respectively provided with a recess (27) for a coupling ferrule (6,6'), on the side thereof facing the front side (12) of the housing (3). The invention also relates to a double coupler and a single coupler, having a housing (1, 26) that is a modified housing of an RJ-45 connector and has a rear engagement (23) in the locking device of the connector, and a coupling insert (2) containing a ceramic sleeve (9) and a coupling ferrule (6, 6').

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IPC 8 full level

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Citation (search report)

See references of WO 2005045497A1

Citation (examination)

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