

Title (en)
CONNECTION BOX FOR DISTRIBUTED NETWORKS BASED ON GLASS FIBRE

Title (de)
ANSCHLUSSDOSE FÜR GLASFASERBASIERTE VERTEILNETZE

Title (fr)
BOÎTE DE RACCORDEMENT POUR RÉSEAUX DE DISTRIBUTION À BASE DE GUIDES D'ONDES OPTIQUES

Publication
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Application
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Abstract (en)
[origin: WO2011080278A1] The invention relates to a connection box (1) for fibre-optic connection (10) of a distributed network based on glass fibre (Fibre-To-The-Home, FTTH), said box comprising at least one optical conductor (100) for transmitting data signals by means of wavelength multiplex methods to optical transmission channels of a transmission band (1000). The optical conductor can be connected to a terminal connection (101) of the connection box (1), said connection box (1) comprising an optoelectronic receiver unit (20) containing a filter module (208) for filtering the optical transmission band (1000) in a first optical partial band (2080) and in another optical partial band (1010). The receiver unit (20) is connected to a terminal connection (101) of the connection box (1), for providing the other optical partial band, and comprises a converter module (209) for generating a corresponding electrical useful signal (2090) based on the optical data signal of the filtered first partial band (2080). The receiver unit (20) is connected to a connection (201) of the connection box (1) for providing the electrical useful signal (2090). At least one other fibre (102) of the fibre-optic connection (10) can be looped through the connection box and is connected to a fibre-optic terminal connection (103) of the connection box. An unfiltered optical transmission band is available during operation, by means of the other fibre.

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