Title (en)

SPLICED CONNECTION BETWEEN TWO OPTICAL FIBRES AND METHOD FOR PRODUCING A SPLICED CONNECTION OF THIS TYPE

Title (de)

SPLEISSVERBINDUNG ZWISCHEN ZWEI OPTISCHEN FASERN SOWIE VERFAHREN ZUM HERSTELLEN EINER SOLCHEN SPLEISSVERBINDUNG

Title (fr)

ÉPISSURE ENTRE DEUX FIBRES OPTIQUES ET PROCÉDÉ DE RÉALISATION D'UNE TELLE ÉPISSURE

Publication

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Application

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Abstract (en)

[origin: WO2010072204A2] The invention relates to a spliced connection between two optical fibres, each of which has a fibre core (4) and fibre cladding (5) resting against said core. In said connection, the fibre cladding (5) of at least one of the two fibres (2, 3) is completely removed in a connection region (8, 10) that extends for a predetermined length from the spliced end (9, 11) of the respective fibre (2, 3) in the longitudinal direction of the fibre and said connection is provided with a support sleeve (12), in which the spliced ends (9, 11) of the two fibres (2, 3) are located and which extends at least along the entire connection region of the first fibre (2) and beyond, over the fibre cladding (5) of the first fibre (2). The section (16) of the support sleeve (12) that extends over the fibre cladding (5) of the first fibre (2) does not rest against the fibre cladding (5) of the first fibre (2) and said sleeve is mechanically connected to the fibre core (4) of the first fibre (2) in the connection region (8, 10) of said first fibre, either directly or by means of an intermediate sleeve (20, 21, 22, 23, 31).

IPC 8 full level

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CPC (source: EP US)

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