

Title (en)

COAXIAL LINE PLUG-IN CONNECTION WITH INTEGRATED GALVANIC SEPARATION

Title (de)

KOAXIALLEITUNGSSTECKVERBINDUNG MIT INTEGRIERTER GALVANISCHER TRENNUNG

Title (fr)

SYSTEME DE COUPLAGE D'UNE LIGNE A PAIRES COAXIALES A SEPARATION GALVANIQUE INTEGREE

Publication

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Application

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Priority

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Abstract (en)

[origin: US2003137372A1] The invention relates to a plug-in connection for galvanically separating microwave signals in coaxial lines, so as to comply with the requirements made on an explosion-proof separation. The plug-in connection comprises a plug and a socket having inner and outer conductors both connected with the coaxial line, and which are also constituted by an inner and an outer conductor. Within the plug-in connection, a dielectric material is provided so as to guarantee a galvanic separation of the outer conductor of the socket with respect to the outer conductor of the plug. In another embodiment, also a galvanic separation of the inner conductor is realized apart from the galvanic separation of the inner conductor.

IPC 8 full level

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