

Title (en)

COUPLING ELEMENT FOR THE CONNECTION OF A SIGNAL TRANSMISSION DEVICE TO A MAIN COAXIAL LINE

Publication

**EP 0129820 B1 19881109 (DE)**

Application

**EP 84106961 A 19840618**

Priority

DE 3323143 A 19830627

Abstract (en)

[origin: EP0129820A2] 1. Coupling element for connecting a signal transmission device to a coaxial main line (1) with - a connecting piece (14, 15, 16) mounted on said main line, in the path of the main line (1), with which a connection suitable for a signal transmission (20) may be established, characterised in that - a cylindrical section (8) of the external conductor (4) of the coaxial main line (1) is formed by two break points (6, 7) of the external conductor (4) provided at a predetermined distance from one another, - a conductive cylindrical element (9) of the connecting piece (14, 15, 16) spans the section (8), electrically insulated from it, and at its ends is conductively connected to the external conductor (4) of the main line (1) near break points (6, 7) respectively, - there being formed between the section (8) and the internal conductor (2) of the main line (1) a first capacitance (C0 ) and between the section (8) and the cylindrical element (9) a second capacitance (C1 ) - and one conductor of the connection of the signal transmission device being connectible to the section (8) and the other conductor being connectible to the cylindrical element (9) via the connecting piece (14, 15, 16).

IPC 1-7

**H01R 17/12**

IPC 8 full level

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CPC (source: EP)

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