

Title (en)

Transition element between electromagnetic waveguides, especially between a circular waveguide and a coaxial waveguide.

Title (de)

Übergangsstück zwischen elektromagnetischen Hohlleitern, insbesondere zwischen einem Rundhohlleiter und einem Koaxialhohlleiter.

Title (fr)

Élément de transition entre guides d'ondes électromagnétiques, notamment entre un guide d'ondes circulaire et un guide d'ondes coaxial.

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Application

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Priority

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Abstract (en)

[origin: EP0467818A1] According to the invention, the transition element for electromagnetic waveguides is of the type intended to afford the transition between a circular waveguide (21) and a coaxial waveguide (25), and consists of a circular outer guide (31) cooperating with an inner conductor (33) forming an end portion of the central conductor (23) of the coaxial waveguide (25), the inner conductor (33) having at least one intermediate transition step (34, 35) of substantially constant cross-section throughout its length. <?>It applies in particular to the construction of two-band duplexers. <IMAGE>

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IPC 8 full level

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Cited by

US9048521B2; US9182306B2; US10352778B2; WO2012129478A3; US10852277B2; US11982648B2; US10854941B2; US11473981B2; US11686627B2

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