

Title (en)

Hollow conduit coupling, high frequency module, fill level radar and use

Title (de)

Hohlleitereinkopplung, Hochfrequenzmodul, Füllstandradar und Verwendung

Title (fr)

Couplage de guide d'ondes, module de haute fréquence, radar de niveau de remplissage et utilisation

Publication

EP 2683023 B1 20200909 (DE)

Application

EP 12175004 A 20120704

Priority

EP 12175004 A 20120704

Abstract (en)

[origin: EP2683023A1] The waveguide coupling structure (100) has a planar radiating element (102) which is configured to transmit the signal into a waveguide (104). The waveguide is widened in direction of the planar radiating element such that the radiating element has a relatively large diameter to prevent the considerably deterioration of signal quality in an inner wall of a hollow conductor. The main area (105) of the waveguide is arranged in radiation pattern of the signal spaced to the planar radiator element. Independent claims are included for the following: (1) a Radio frequency module; and (2) a level radar.

IPC 8 full level

H01P 5/02 (2006.01)

CPC (source: EP)

H01P 5/024 (2013.01)

Cited by

EP2930476A1; EP3076139A1; US10205245B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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