

Title (en)
DEVICE FOR FREQUENCY SELECTIVE SUPPRESSION OF HIGH FREQUENCY SIGNALS

Title (de)
ANORDNUNG ZUR FREQUENZSELEKTIVEN UNTERDRÜCKUNG VON HOCHFREQUENZSIGNALEN

Title (fr)
DISPOSITIF DE SUPPRESSION SELECTIVE DE SIGNAUX HAUTE FREQUENCE

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Application
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Abstract (en)
[origin: DE19757892A1] The invention relates to a device for frequency selective suppression of high frequency signals. The device has a cavity (11) comprised of walls (6, 7) which can at least partially conduct electricity. The device also has radiator elements (4, 5) which are constructed using stripline technology and are provided in order to couple and decouple the high frequency signals into or out of the cavity (11). To this end, at least two radiator elements are available of which at least one is provided for coupling and at least one other is provided for decoupling the high frequency signals. The at least two radiator elements (4, 5) are constructed on separated substrate surfaces (2, 3). The separated substrate surfaces (2, 3) are arranged on a common support plate (1), and the cavity is formed by a cap (6). The cap is arranged on or above the support plate (1) in such a way that it covers the radiator elements (4, 5). It is especially advantageous when the cap (6) is integrated in the housing wall (10) of a screening housing.

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