

Title (en)
LINE WITH DIVIDED LOW-PASS FILTER

Publication
EP 0098801 B1 19870114 (DE)

Application
EP 83810289 A 19830629

Priority
CH 402182 A 19820701

Abstract (en)
[origin: US4683450A] For suppression of high-frequency spurious signals (noise) present on an electrical transmission line, the line incorporates at least one section comprising a distributed low-pass filter. This section is constructed so that its wave impedance (Z1) has a different value than the wave impedance (Z0) of the neighboring line sections. This filter line section additionally provides considerable dielectric losses and/or skin effect losses. At both ends of the filter line section, at which the wave impedance changes, multiple reflections arise that attenuate the high-frequency spurious signals (noise). The dielectric or skin effect losses produce strong attenuation of the undesired resonances that arise from the reflections, as well as further attenuation of spurious signals in the highest frequency region.

IPC 1-7
H01B 11/18; **H01P 1/202**

IPC 8 full level
H01B 11/12 (2006.01); **H01B 11/18** (2006.01); **H01P 1/202** (2006.01)

CPC (source: EP US)
H01B 11/12 (2013.01 - EP US); **H01B 11/1895** (2013.01 - EP US); **H01P 1/202** (2013.01 - EP US)

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AT DE FR GB IT NL SE

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EP 0098801 A2 19840118; **EP 0098801 A3 19840718**; **EP 0098801 B1 19870114**; AT E24983 T1 19870115; CH 656738 A5 19860715; DE 3369228 D1 19870219; US 4683450 A 19870728

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