

Title (en)

Apparatus for transmitting high-frequency signals.

Title (de)

Anordnung zum Übertragen von Hochfrequenzsignalen.

Title (fr)

Appareil pour transmettre des signaux haute fréquence.

Publication

EP 0375840 B1 19950426 (DE)

Application

EP 89116628 A 19890908

Priority

DE 3844292 A 19881230

Abstract (en)

[origin: EP0375840A2] An apparatus for transmitting high-frequency signals with a coaxial cable provided with apertures in the outer conductor, where the apertures recur, seen in the longitudinal direction of the cable, in groups with a period length which is selected so that the groups of apertures radiate high-frequency signals from a desired lower limit frequency f_0 and that the pole positions which are allocated to the multiples of the lower limit frequency f_0 are eliminated or at least substantially attenuated in the frequency response of the coupling attenuation, is designed so that the number of apertures per period is greater than 30, the apertures are slits (1) which are as narrow as possible and the slits (1) are disposed essentially perpendicular in relation to the cable axis.

IPC 1-7

H01Q 13/20

IPC 8 full level

H01P 11/00 (2006.01); **H01Q 13/20** (2006.01)

CPC (source: EP)

H01P 11/005 (2013.01); **H01Q 13/203** (2013.01)

Cited by

EP0665987A4; AU694828B2; EP4324418A1; GB2235336A; GB2235336B; EP0502337A1; TR26740A; EP0643438A1; US5467066A; TR27801A; EP3322037A1; WO2024038148A1; EP3200282A1

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EP 89116628 A 19890908; AT 89116628 T 19890908; DE 3844292 A 19881230; DE 58909202 T 19890908; FI 895785 A 19891204; NO 895329 A 19891229; TR 102389 A 19891211; YU 223489 A 19891123