

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

Designated contracting state (EPC)

AT CH DE FR GB IT LI SE

DOCDB simple family (publication)

**EP 0375840 A2 19900704; EP 0375840 A3 19900808; EP 0375840 B1 19950426**; AT E121870 T1 19950515; DE 3844292 A1 19900705; DE 58909202 D1 19950601; FI 895785 A0 19891204; FI 94300 B 19950428; FI 94300 C 19950810; NO 173677 B 19931004; NO 173677 C 19940112; NO 895329 D0 19891229; NO 895329 L 19900702; TR 24790 A 19920310; YU 223489 A 19940405; YU 47500 B 19951003

DOCDB simple family (application)

**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