

Title (en)
HIGH FREQUENCY CABLE

Publication
EP 0150870 A3 19860702 (DE)

Application
EP 85200023 A 19850114

Priority
DE 3401137 A 19840114

Abstract (en)
[origin: EP0150870A2] 1. A high-frequency cable including spacers arranged equidistantly on the inner conductor and a synthetic resin sheath surrounding the spacers, in which the frequency-selective energy flowback produced by systematic in-homogeneities and the resultant interference of the transmission properties are reduced in that the relative dielectric constant of the insulating material provided between the inner and the outer conductor is changed within the permissible limits of the wave resistance and the dimensions along the length of the cable with periods whose length is very long compared to the operating wavelength, characterized in that the period length of the dielectric change at the lowest interference frequency is approximately 5 dB.

IPC 1-7
H01B 11/18

IPC 8 full level
H01B 11/18 (2006.01); **H01B 13/20** (2006.01)

CPC (source: EP)
H01B 11/186 (2013.01); **H01B 13/202** (2013.01)

Citation (search report)
• [A] DE 2720227 A1 19781116 - SIEMENS AG
• [A] DE 2949208 A1 19810611 - SIEMENS AG [DE]
• [A] FR 2216652 A1 19740830 - LIGNES TELEGRAPH TELEPHON [FR]
• [A] FR 2272468 A1 19751219 - PHILIPS NV [NL]

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 0150870 A2 19850807; EP 0150870 A3 19860702; EP 0150870 B1 19890517; DE 3401137 A1 19850718; DE 3570314 D1 19890622

DOCDB simple family (application)
EP 85200023 A 19850114; DE 3401137 A 19840114; DE 3570314 T 19850114