

Title (en)
Coaxial Cable

Title (de)
Koaxialkabel

Title (fr)
Câble coaxial

Publication
EP 1628311 A1 20060222 (EN)

Application
EP 04254891 A 20040813

Priority
EP 04254891 A 20040813

Abstract (en)
[Problem] To provide a coaxial cable which is able to shut off external noises and transmit clear images having no picture disturbance by noises without employing cable compensators over a long distance. [Means for Solution] A first conductor is provided on the outer circumference of a central conductor with an insulator therebetween, a second conductor is provided on the concentric circle having central conductor as its center and outside the first conductor with an insulator therebetween, a coaxial cable formed by coating the outside of the second conductor which is on the concentric circle having the central conductor as its center by insulating external coating is provided, a DC voltage source which is able to apply DC voltage having a predetermined voltage value between the first conductor and the second conductor such that the direct current flowing in the first conductor and the second conductor takes a desired value is provided, and a noise barrier zone formed by the electro-magnetic action of the desired current is formed in the part surrounded by the first conductor and the second conductor on the outer circumference of the central conductor.

IPC 8 full level
H01B 11/20 (2006.01)

CPC (source: EP)
H01B 11/206 (2013.01)

Citation (search report)
• [E] JP 2004273258 A 20040930 - HARADA TECHNO CO LTD
• [A] US 4642417 A 19870210 - RUTHROF KLAUS [DE], et al
• [A] US 2001032732 A1 20011025 - FUJINO KAZUHIRO [JP], et al

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

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