

Title (en)
Coaxial cable and method for making the same

Title (de)
Koaxialkabel und Verfahren zu dessen Herstellung

Title (fr)
Câble coaxial et son procédé de fabrication

Publication
EP 2085979 A2 20090805 (EN)

Application
EP 09250173 A 20090122

Priority
• CN 200810066046 A 20080201
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• CN 200810066299 A 20080409

Abstract (en)
A coaxial cable (10) includes a core (110), an insulating layer (120), a shielding layer (130), a sheathing layer (140). The core includes an amount of carbon nanotubes having at least one conductive coating disposed about the carbon nanotubes. The carbon nanotubes are orderly arranged. The insulating layer (120) is about the core (110). The shielding layer (130) is about the insulating layer (120). The sheathing layer (140) is about the shielding layer (130). A method for making a coaxial cable, the method comprises the steps of: (a) providing a carbon nanotube structure; (b) forming at least one conductive coating on a plurality of carbon nanotubes of the carbon nanotube structure; (c) forming a carbon nanotube wire-like structure from the carbon nanotubes with at least one conductive coating; (d) enwrapping at least one layer of insulating material on the carbon nanotube wire-like structure; (e) enwrapping at least one layer of shielding material on the at least one layer of insulating material and (f) coating one layer of sheathing material on the at least one layer of shielding material.

IPC 8 full level
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Citation (applicant)
US 2007293086 A1 20071220 - LIU LIANG [CN], et al

Cited by
EP4064297A1; EP2657740A1; CN105097065A; US9520213B2; WO2013160643A1

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