

Title (en)

Power cable specifically designed for high-speed data transmission

Title (de)

Energiekabel, das speziell für die Hochgeschwindigkeitsübertragung von Daten konzipiert wurde

Title (fr)

Câble d'énergie spécifiquement conçu pour transmettre des données à haut débit

Publication

EP 2148336 B1 20120606 (FR)

Application

EP 09166133 A 20090722

Priority

FR 0855088 A 20080724

Abstract (en)

[origin: EP2148336A1] The cable (1) has an electromagnetic shield (50), and an exterior sheath (10) defining a cavity in which electricity conducting wires (20, 30, 40) such as phase wire, neutral wire and ground wire, are arranged. The wires are surrounded by corresponding electrically insulating sheaths (21, 31, 41), and maintained in rigorous geometrical position, within the exterior sheath. Each electrically insulating sheath is made of material having a dielectric dissipation factor that is less than or equal to $5 \cdot 10^{\text{power}-2}$ over a range of frequencies comprised between 1megaHertz and 100megaHertz.

IPC 8 full level

H01B 9/00 (2006.01); **H01B 11/00** (2006.01)

CPC (source: EP)

H01B 9/00 (2013.01); **H01B 11/00** (2013.01)

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DOCDB simple family (publication)

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