

Title (en)

Electric wire with PTFE low dielectric constant sheath, manufacturing process and tool

Title (de)

Elektrischer Draht mit niedriger dielektrizitätskonstante PTFE Hülle, Herstellungs- Verfahren und -Werkzeug

Title (fr)

Fil électrique à gaine de PTFE robuste et à faible constante diélectrique, et ses procédé et outil de fabrication

Publication

EP 2184744 B1 20140813 (FR)

Application

EP 09174913 A 20091103

Priority

FR 0857537 A 20081106

Abstract (en)

[origin: EP2184744A1] The wire (22) has a central conductor (24) maintained by a spacer (30) in a PTFE based sheath (26). The sheath and the spacer form longitudinal and continuous cells (28). The cells are defined partially by the conductor. The spacer includes a radial junction portion (32) that forms a relatively thin or narrow separator partition between the adjacent cells and a broader maintaining portion (34) that is formed at a point of contact between the spacer and the conductor. Independent claims are also included for the following: (1) a coaxial cable including a PTFE based tubular intermediate sheath separated from a central conductor (2) a method for manufacturing an electric wire (3) a tool for manufacturing an electric wire.

IPC 8 full level

H01B 3/44 (2006.01); **H01B 13/14** (2006.01)

CPC (source: EP US)

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