

Title (en)
A dielectric waveguide.

Title (de)
Dielektrischer Wellenleiter.

Title (fr)
Guide d'ondes diélectrique.

Publication
EP 0318198 A1 19890531 (EN)

Application
EP 88310757 A 19881115

Priority
US 12625087 A 19871127

Abstract (en)
A dielectric waveguide for the transmission of electromagnetic waves is provided comprising a core (12) of a plastic material and having one or more layers of polytetrafluoroethylene (PTFE) cladding (14) overwrapped around the core. The core material is polystyrene, polychlorotrifluoroethylene, polyethylene, polypropylene, polysulfone or polycarbonate.

IPC 1-7
H01P 3/16

IPC 8 full level
G02B 6/02 (2006.01); **G02B 6/44** (2006.01); **H01P 3/16** (2006.01)

CPC (source: EP)
H01P 3/16 (2013.01)

Citation (search report)
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• [X] US 4525693 A 19850625 - SUZUKI HIROSUKE [JP], et al
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EP 88310757 A 19881115; AU 1886488 A 19880708; DK 657888 A 19881125; FI 885138 A 19881108; GB 8826691 A 19881115; IE 345288 A 19881118; IL 8821388 A 19881028; JP 22764088 A 19880913; NO 885083 A 19881115; PT 8906688 A 19881124