

Title (en)  
Transmission Line.

Title (de)  
Übertragungsleitung.

Title (fr)  
Ligne de transmission.

Publication  
**EP 0335570 A1 19891004 (EN)**

Application  
**EP 89302820 A 19890321**

Priority  
JP 8207788 A 19880401

Abstract (en)  
A transmission line (1) having an electromagnetic wave energy transmitting core (2) formed of unsintered or partially sintered polytetrafluoroethylene, the core (2) being rectangular in cross-section, and the line having an electrically conductive layer (4) disposed outside the core, preferably on the outside surface of at least a portion thereof. The electrically conductive layer is preferably formed by polytetrafluoroethylene tape containing carbon fibres.

IPC 1-7  
**H01P 3/16**

IPC 8 full level  
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CPC (source: EP)  
**H01P 3/04** (2013.01); **H01P 3/165** (2013.01)

Citation (search report)

- [X] US 4525693 A 19850625 - SUZUKI HIROSUKE [JP], et al
- [Y] US 4463329 A 19840731 - SUZUKI HIROSUKE [JP]
- [A] GB 2185861 A 19870729 - JUNKOSHA CO LTD
- [A] US 3703690 A 19721121 - RAVENSCROFT IVOR ALBERT, et al
- [A] US 4293833 A 19811006 - POPA ADRIAN E
- [Y] IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, vol. MMT-31, no. 12, December 1983, pages 1002-1008, IEEE, New York, US; T. YONEYAMA et al.: "Insulated nonradiative dielectric waveguide for millimeter-wave integrated circuits"
- [A] PROCEEDINGS OF THE 1973 EUROPEAN MICROWAVE CONFERENCE, Brussels, 4th - 7th September 1973, paper B.13.2, University of Gent; I.A. RAVENSCROFT et al.: "Proposals for a dielectric rod transmission system"

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