

## Title (en)

Semi-rigid cable for microwave transmission.

## Title (de)

Halbstarre Kabel für Mikrowellenübertragung.

## Title (fr)

Câble semi-rigide de transmission d'ondes hyperfréquence.

## Publication

**EP 0375506 A1 19900627 (FR)**

## Application

**EP 89403439 A 19891212**

## Priority

FR 8816811 A 19881220

## Abstract (en)

Semi-rigid cable intended for the transmission of microwaves such as those used for radar or digital television. <??>It comprises a three-plate line with a dielectric (2, 3) having a quasi-rectangular cross-section, a central conductor (1) with a width (a) close to the thickness (e) of the dielectric, and exterior conducting strips (5, 6) of a width (L1) substantially greater than that of the central conductor. This three-plate line is advantageously surrounded with an absorbing sheath (9). The assembly is protected by an ordinary metal shielding (7) and by a conventional exterior mechanical protection (8). <IMAGE>

## Abstract (fr)

Câble semi-rigide destiné à la transmission des micro-ondes telles que celles utilisées pour les radars ou la télévision numérique. Il comporte une ligne triplaque, avec diélectrique (2, 3) à section quasi-rectangulaire, conducteur central (1) de largeur (a) proche de l'épaisseur (e) du diélectrique, et rubans conducteurs extérieurs (5, 6) de largeur (L1) sensiblement supérieure à celle du conducteur central. Cette ligne triplaque est avantageusement entourée d'une gaine absorbante 9. L'ensemble est protégé par un blindage métallique ordinaire (7) et par une protection mécanique extérieure classique (8).

## IPC 1-7

**H01P 3/08**

## IPC 8 full level

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## CPC (source: EP US)

**H01P 3/085** (2013.01 - EP US)

## Citation (search report)

- [X] US 3258724 A 19660628
- [A] GB 798629 A 19580723 - STANDARD TELEPHONES CABLES LTD
- [A] GB 1473655 A 19770518 - POST OFFICE
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- [A] US 3534301 A 19701013 - GOLEMBESKI JOHN J
- [A] THE DESIGN OF MICROWAVE COMPONENTS, vol. 105B, no. 20, mars 1958, pages 155-172, The Institution of Electrical Engineers; J.M.C. DUKES: "The application of printed-circuit techniques to the design of microwave components"
- [A] MICROWAVE JOURNAL, vol. 18, no. 8, août 1975, pages 49-51; G.R. TRAUT: "Microwave stripline packaging with UMD's"

## Cited by

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## Designated contracting state (EPC)

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**EP 0375506 A1 19900627; EP 0375506 B1 19940928;** DE 68918569 D1 19941103; DE 68918569 T2 19950126; FR 2640819 A1 19900622; FR 2640819 B1 19910531; US 5068632 A 19911126

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