

Title (en)

Polarisation branch for two different frequency bands

Title (de)

Polarisationweiche für zwei unterschiedliche Frequenzbänder

Title (fr)

Aiguillage de polarisation pour deux bandes de fréquence différentes

Publication

**EP 0897197 A3 19991208 (DE)**

Application

**EP 98401804 A 19980717**

Priority

DE 19734854 A 19970812

Abstract (en)

[origin: EP0897197A2] The arrangement has a hollow conductor section receiving two mutually perpendicular, linearly polarised waves per frequency band. Each band has two hollow conductors connected to the hollow conductor section. The higher band conductors have two arms (18-21). At both connection points (11,12) for the two arms the broad flat sides are in direct contact and their ends are flushed together for connecting each hollow conductor. One (19,21) of each pair of arms is twisted through 180 degrees

IPC 1-7

**H01P 1/213**

IPC 8 full level

**H01P 1/213** (2006.01)

CPC (source: EP US)

**H01P 1/2131** (2013.01 - EP US)

Citation (search report)

- [A] GB 2188493 A 19870930 - ERA PATENTS LTD
- [A] FR 2518822 A1 19830624 - VITALINK COMMUNICATIONS CORP [US]
- [A] BOIFOT A M: "CLASSIFICATION OF ORTHO-MODE TRANSDUCERS", EUROPEAN TRANSACTIONS ON TELECOMMUNICATIONS AND RELATED TECHNOLOGIES, vol. 2, no. 5, 1 September 1991 (1991-09-01), pages 35 - 42, XP000266379, ISSN: 1120-3862
- [A] PATENT ABSTRACTS OF JAPAN vol. 8, no. 261 (E - 281) 30 November 1984 (1984-11-30)

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**EP 98401804 A 19980717**; AU 7894898 A 19980810; BR 9803137 A 19980811; DE 19734854 A 19970812; US 13042998 A 19980806