

Title (en)  
DEVICE FOR CONNECTING A COAXIAL LINE TO A COPLANAR LINE

Title (de)  
VORRICHTUNG ZUR VERBINDUNG EINER KOAXIALLEITUNG MIT EINER KOPLANARLEITUNG

Title (fr)  
DISPOSITIF POUR RELIER UNE LIGNE COAXIALE A UNE LIGNE COPLANAIRE

Publication  
**EP 1668746 A1 20060614 (DE)**

Application  
**EP 04766856 A 20040927**

Priority  
• EP 2004052322 W 20040927  
• DE 10345218 A 20030929

Abstract (en)  
[origin: DE10345218B3] The coplanar end connection (5) for the coaxial cable has a dielectric substrate (11) carrying a metalized layer (10). The metalized layer has a V-shaped cutout (12) at the end adjacent to the coaxial cable. The coaxial cable has a solid circular-cross-section inner conductor (2), a first dielectric layer (3) and a conducting outer sheath (4) connected to a square terminal block (1). The inner conductor of the cable is connected to a central tapering conductor (6) on top of a second dielectric layer (9). Two tapering outer conductors (7,8) are connected to the square terminal block on the end of the cable sheath.

IPC 1-7  
**H01R 13/646**; **H01P 5/08**

IPC 8 full level  
**H01P 5/08** (2006.01); **H01R 13/646** (2011.01)

CPC (source: EP US)  
**H01P 5/085** (2013.01 - EP US); **H01R 24/50** (2013.01 - EP US); **H01R 24/44** (2013.01 - EP US); **H01R 2103/00** (2013.01 - EP US)

Citation (search report)  
See references of WO 2005034299A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**DE 10345218 B3 20041230**; CN 1860650 A 20061108; EP 1668746 A1 20060614; US 2006284699 A1 20061221; WO 2005034299 A1 20050414

DOCDB simple family (application)  
**DE 10345218 A 20030929**; CN 200480028194 A 20040927; EP 04766856 A 20040927; EP 2004052322 W 20040927; US 57367206 A 20060324