

Title (en)  
Converter for receiving satellite broadcast

Title (de)  
Konverter zum Empfang von Satellitenrundfunk

Title (fr)  
Convertisseur de réception pour radiodiffusion par satellite

Publication  
**EP 1388909 A1 20040211 (EN)**

Application  
**EP 03254616 A 20030724**

Priority  
JP 2002227396 A 20020805

Abstract (en)

A circuit substrate (2) is arranged in parallel with the tube axis of a waveguide (1) having an inclination face therein. A first probe (12) and a first short-circuited terminal (10) are inserted into this waveguide. A notch hole (2a) is formed in the circuit substrate. A second probe (6) is patterned and formed in a projecting piece extended toward the center of this notch hole. Matching patterns (4a, 8a) extended in the direction perpendicular to the projecting direction of the second probe are formed outside the notch hole. Further, a second short-circuited terminal is formed on the inner bottom face of a cover body formed in a shape having a bottom. The matching patterns are faced and projected into the waveguide and the cover body by fixing this cover body to the waveguide through the notch hole of the circuit substrate. Thus, electricity supply efficiency of the second probe can be raised without arranging an impedance converting portion of a complicated shape within the waveguide. <IMAGE>

IPC 1-7  
**H01P 5/107**

IPC 8 full level  
**H01P 1/161** (2006.01); **H01P 5/107** (2006.01); **H04B 1/18** (2006.01)

CPC (source: EP)  
**H01P 1/161** (2013.01); **H01P 5/107** (2013.01)

Citation (search report)

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