

Title (en)

WAVEGUIDE JUNCTION HAVING A DECOUPLING ELEMENT FOR PLANAR WAVEGUIDE COUPLINGS

Title (de)

HOHLLEITERÜBERGANG MIT ENTKOPPLUNGSELEMENT FÜR PLANARE HOHLLEITEREINKOPPLUNGEN

Title (fr)

TRANSITION DE GUIDE D'ONDE AVEC ELEMENT DE DECOUPLAGE POUR ENTREES DE GUIDE D'ONDE PLANES

Publication

**EP 1999442 A1 20081210 (DE)**

Application

**EP 07723348 A 20070316**

Priority

- EP 2007002373 W 20070316
- DE 102006014010 A 20060327
- US 78660506 P 20060327

Abstract (en)

[origin: US2007222668A1] Described is a wave guide adapter for a filling level radar. The adapter includes a decoupling member for reducing a leakage signal from a first line to a second line. The decoupling member is electrically isolated from the lines. Reducing the leakage signal increases the sensor's sensitivity at close range.

IPC 8 full level

**G01F 23/284** (2006.01); **H01P 1/161** (2006.01); **H01Q 13/02** (2006.01)

CPC (source: EP US)

**G01F 23/284** (2013.01 - EP US); **G01S 7/03** (2013.01 - EP US); **G01S 13/88** (2013.01 - EP US); **H01P 1/161** (2013.01 - EP US); **H01P 5/107** (2013.01 - EP US); **H01Q 1/225** (2013.01 - EP US); **H01Q 13/02** (2013.01 - EP US); **H01Q 13/0258** (2013.01 - EP US)

Citation (search report)

See references of WO 2007110164A1

Citation (examination)

- DE 112004001982 T5 20060810 - SAAB ROSEMOUNT TANK RADAR AB [SE]
- US 2004173020 A1 20040909 - EDVARDSSON KURT OLOV [SE]
- US 6166681 A 20001226 - MESZAROS GREGORY A [US], et al
- DE 10051297 A1 20020425 - ENDRESS HAUSER GMBH CO [DE]

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**US 2007222668 A1 20070927**; CN 101410700 A 20090415; DE 102006014010 A1 20071011; DE 102006014010 B4 20090108; EP 1999442 A1 20081210; WO 2007110164 A1 20071004

DOCDB simple family (application)

**US 68793307 A 20070319**; CN 200780010872 A 20070316; DE 102006014010 A 20060327; EP 07723348 A 20070316; EP 2007002373 W 20070316