

Title (en)

Integrated system comprising waveguide to microstrip coupling apparatus

Title (de)

Integriertes System mit einem Wellenleiter für eine Mikrostreifen-Kopplungsvorrichtung

Title (fr)

Système intégré comprenant un guide d'ondes sur un appareil de couplage de microruban

Publication

EP 2267832 A1 20101229 (EN)

Application

EP 09179861 A 20091218

Priority

US 18626709 P 20090611

Abstract (en)

The present invention provides an integrated system comprising an RF chip (1), an antenna (2) and a transition element for providing signal coupling between a waveguide (5) and a microstrip line (6). The transition element and the antenna (2) are integrated in a multilayer system (3). The antenna (2) and the RF chip (1) are each located at opposite sides of the multilayer system (3). It is an advantage of embodiments of the present invention that interference between chip (1) and antenna (2) is reduced compared to prior art solutions.

IPC 8 full level

H01P 5/107 (2006.01)

CPC (source: EP)

H01P 5/107 (2013.01)

Citation (applicant)

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Citation (search report)

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Designated extension state (EPC)

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