

Title (en)

Slot-loaded microstrip antenna and related methods

Title (de)

Slot-loaded-Mikrostreifenantenne und damit verbundene Verfahren

Title (fr)

Antenne à microruban chargé par une fente et procédés associés

Publication

EP 1983607 B1 20090930 (EN)

Application

EP 07106586 A 20070420

Priority

EP 07106586 A 20070420

Abstract (en)

[origin: EP1983607A1] A microstrip antenna may include an electrically conductive ground plane layer, a dielectric layer adjacent the electrically conductive ground plane layer, and an electrically conductive patch layer adjacent the dielectric layer on a side thereof opposite the electrically conductive ground plane layer. The electrically conductive patch layer may be electrically floating with respect to the electrically conductive ground plane layer and may comprise a body portion and a feed strip extending outwardly from an interior medial portion of the body portion. The feed strip may have opposing first and second sides and an end electrically connected to the body portion. The body portion may have spaced apart first and second slots adjacent respective ones of the first and second opposite sides of the feed strip, and a third slot adjacent the end of the feed strip and spaced from the first and second slots.

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 9/04** (2006.01); **H01Q 13/10** (2006.01)

CPC (source: EP)

H01Q 1/243 (2013.01); **H01Q 9/0407** (2013.01); **H01Q 9/0442** (2013.01); **H01Q 9/045** (2013.01); **H01Q 13/10** (2013.01)

Cited by

CN108493589A; CN108091991A; CN110048218A; WO2023245435A1

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