

Title (en)
Circularly polarized patch antenna assembly

Title (de)
Zirkular polarisierte Patchantennenanordnung

Title (fr)
Ensemble d'antenne à plaque à polarisation circulaire

Publication
EP 1968159 A1 20080910 (EN)

Application
EP 07004583 A 20070306

Priority
EP 07004583 A 20070306

Abstract (en)
A circularly polarized patch antenna assembly having a relatively compact volume includes a substrate, a radiation metal piece, a grounded metal piece and a signal-inputting body. A plurality of metal pieces in a form of elongate stripe extends from four sides of the grounded metal piece, thereby to reduce the resonant frequency. The metal pieces are adhered on the side face of the substrate, so that the metal piece on one side face is arranged diagonally with respect to the metal piece on the opposite side face. When the resonant frequency of the antenna is to be reduced, the position and the area of the metal piece can be adjusted but the increased area of the metal piece cannot be larger than a half area of the side face of the substrate. Alternatively, the length of the metal piece can be increased.

IPC 8 full level
H01Q 9/04 (2006.01)

CPC (source: EP)
H01Q 9/0428 (2013.01); **H01Q 9/0442** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
DE FR GB NL

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