

Title (en)

Planar antenna for linearly polarized waves

Title (de)

Planare Antenne für linear polarisierte Wellen

Title (fr)

Antenne plane pour ondes polarisées linéairement

Publication

EP 0463649 B1 19960131 (EN)

Application

EP 91200680 A 19910326

Priority

JP 16784190 A 19900626

Abstract (en)

[origin: EP0463649A1] A planar antenna (10) for linearly polarized waves includes a grounding conductor plate (11), a power supply circuit plate (12) having a pattern of power supplying circuit (14) of conductor strips each including power supply terminals (16), and a radiation plate (13) having apertures (15) forming radiation elements, the respective plates (11,12,13) being arranged sequentially with an insulating layer interposed between adjacent ones of the plates to separate them to be independent of one another through a predetermined interval, while arranging the power supplying terminals (16) of the power supplying circuit pattern (14) as well as the apertures (15) in the radiation plate (13) so that the respective power supply terminals (16) terminate to be within a contour of the apertures (15), in a top plan view, whereby the planar antenna makes it possible to receive at a high gain the linearly polarized waves over a wide band. <IMAGE>

IPC 1-7

H01Q 21/06; **H01Q 21/00**; **H01Q 21/24**

IPC 8 full level

H01P 5/08 (2006.01); **H01Q 1/50** (2006.01); **H01Q 13/16** (2006.01); **H01Q 21/00** (2006.01); **H01Q 21/06** (2006.01); **H01Q 21/24** (2006.01)

CPC (source: EP)

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Cited by

EP0542447A1; DE10233394A1; EP0632526A1; CN103236582A; CN111834735A; US6396441B2; US6175333B1; US6388619B2; WO9534104A1

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