

Title (en)

BIFOCAL PLANAR ANTENNA

Title (de)

DOPPELFOKUS-PLANARANTENNE

Title (fr)

ANTENNE PLANE A DOUBLE FOYER

Publication

EP 1145368 A3 20021113 (DE)

Application

EP 99941473 A 19990728

Priority

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- EP 9905400 W 19990728

Abstract (en)

[origin: US6580401B1] A microwave antenna is described, capable of simultaneous maximum gain communication with N>=2 satellites in geo-stationary orbit. The orbiting satellites are positioned offset relative to each other at a specific azimuth angle(s) phi. The microwave antenna has radiating elements that are divided into N groups (1a, 1b; 1a', 1b'; 1a'', 1b'') of radiating elements. The antenna is characterized by the fact that each of the N groups of radiating elements is organized in a plane, with the planes arranged at specific angles relative to one another corresponding to the respective azimuth offset angle of the satellite to be communicated with, such that the surface normal (FN) of the planes, once the microwave antenna is oriented, point in the direction of the respective satellites.

IPC 1-7

H01Q 1/00

IPC 8 full level

H01Q 21/06 (2006.01); **H01Q 21/20** (2006.01); **H01Q 21/28** (2006.01); **H01Q 21/29** (2006.01); **H01Q 23/00** (2006.01)

CPC (source: EP US)

H01Q 21/061 (2013.01 - EP US); **H01Q 21/20** (2013.01 - EP US); **H01Q 21/28** (2013.01 - EP US); **H01Q 23/00** (2013.01 - EP US)

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