

Title (en)  
Satellite antenna system

Title (de)  
Antennensystem für Satelliten-Kommunikation

Title (fr)  
Système d'antenne pour communication d'un satellite

Publication  
**EP 0540124 B1 19980114 (EN)**

Application  
**EP 92203336 A 19921029**

Priority  
FI 915134 A 19911030

Abstract (en)  
[origin: EP0540124A1] The invention relates to a satellite antenna system particularly for land mobile voice communication, comprising a radiator unit (1') which is steerable to the satellite in the azimuth plane. According to the invention, the satellite antenna system includes a number of antenna elements (1; 1<1> - 1<1><2>), of which the radiator unit (1') is formed, a control unit (4) and a switching unit (5); the antenna elements of the said radiator unit are adjacently arranged and evenly spaced in a circular configuration, and of these antenna elements, two adjacent elements belong simultaneously to one and the same active antenna unit (6), and the said two elements are chosen by means of the control unit and the switching unit to receive circularly polarized electromagnetic radiation from a desired direction, and to transmit the same to essentially the same direction.  
<IMAGE>

IPC 1-7  
**H01Q 1/32**; **H01Q 21/20**; **H01Q 9/04**; **H01Q 3/24**

IPC 8 full level  
**H01Q 1/32** (2006.01); **H01Q 3/24** (2006.01); **H01Q 9/04** (2006.01); **H01Q 21/20** (2006.01)

CPC (source: EP)  
**H01Q 1/3275** (2013.01); **H01Q 3/242** (2013.01); **H01Q 9/0428** (2013.01); **H01Q 21/20** (2013.01)

Cited by  
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