

Title (en)

Steerable antenna system with fixed feed source

Title (de)

Steuerbares Antennensystem mit fester Strahlungsquelle

Title (fr)

Système d'antenne orientable avec source rayonnante fixe

Publication

EP 1414110 A1 20040428 (EN)

Application

EP 02292622 A 20021023

Priority

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Abstract (en)

A C-shaped frame (22) rotatably mounted on a support structure (12), supports a hyperbolic sub reflector (20), a dual frequency dual circular polarization feed source (30) and a parabolic reflector (40) along source axis (A), and a planar reflector (50) along beam axis (B) perpendicular to the source axis. The stepper motors (24,52) rotate the frame along source and beam axes, respectively.

IPC 1-7

H01Q 19/19; **H01Q 19/185**; **H01Q 19/10**; **H01Q 3/20**; **H01Q 3/08**

IPC 8 full level

H01Q 3/08 (2006.01); **H01Q 3/20** (2006.01); **H01Q 19/10** (2006.01); **H01Q 19/185** (2006.01); **H01Q 19/19** (2006.01)

CPC (source: EP)

H01Q 3/08 (2013.01); **H01Q 3/20** (2013.01); **H01Q 19/104** (2013.01); **H01Q 19/185** (2013.01); **H01Q 19/192** (2013.01)

Citation (search report)

- [X] US 5943007 A 19990824 - YUJIRI MIKIO L [US], et al
- [Y] US 5844527 A 19981201 - TAKASHIMA TETSUYA [JP], et al
- [Y] DE 3907203 A1 19900913 - TELEFUNKEN SYSTEMTECHNIK [DE]
- [EL] US 6492955 B1 20021210 - AMYOTTE ERIC [CA], et al

Cited by

EP3157094A1; FR3042653A1; CN113314842A

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