

Title (en)

Antenna system with multiple feeders integrated in a low noise converter (LNC)

Title (de)

Antennensystem mit mehreren Speisesystemen, integriert in einem rauscharmen Umsetzer (LNC)

Title (fr)

Système à antennes source multiples intégrées au convertisseur de fréquence à faible bruit

Publication

**EP 0707357 B1 20030102 (FR)**

Application

**EP 95402265 A 19951009**

Priority

FR 9412082 A 19941010

Abstract (en)

[origin: EP0707357A1] The receiver includes a focussing device which can be an electromagnetic lens e.g. Luneberg lens or parabolic reflector. A first feed (3b) is placed at the focus of the reflector and other feeds (3a,3c) are placed on either side of it. The feeds are slot antennae which are pref. in annular form. The receiver multiplexes (18-21) the incoming signals to a frequency converter (11-13,f1,f2) which is formed on the same substrate (17) as the feeds. The multiplexer can consist of voltage controlled blocking amplifiers and the frequency converter blocks can be an RF amplifier, mixer (12) and IF amplifier (13).

IPC 1-7

**H01Q 19/17**; **H01Q 1/24**; **H01Q 13/10**

IPC 8 full level

**H01P 1/161** (2006.01); **H01P 5/107** (2006.01); **H01Q 1/24** (2006.01); **H01Q 13/10** (2006.01); **H01Q 13/18** (2006.01); **H01Q 15/02** (2006.01); **H01Q 15/16** (2006.01); **H01Q 19/17** (2006.01); **H03D 7/00** (2006.01); **H04B 1/18** (2006.01)

CPC (source: EP US)

**H01Q 1/247** (2013.01 - EP US); **H01Q 13/106** (2013.01 - EP US); **H01Q 19/17** (2013.01 - EP US)

Citation (examination)

- US 4712111 A 19871208 - OHTA TOMOZO [JP], et al
- EP 0682383 A1 19951115 - DASSAULT ELECTRONIQUE [FR]

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EP0957535A1; EP0818848A3; US5983306A; US5881254A; FR2828584A1; EP1289055A1; EP1329987A1; EP1329988A1; CN100358183C; EP0978898A1; FR2782193A1; US6891510B2; US6914574B2; US6864850B2; WO0207261A1; WO9808270A1

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DOCDB simple family (application)

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