

Title (en)
Phase controlled antenna

Title (de)
Phasengesteuerte Antenne

Title (fr)
Antenne à contrôle de phases

Publication
EP 0829922 B1 20031126 (DE)

Application
EP 97115436 A 19970906

Priority
DE 19636850 A 19960911

Abstract (en)
[origin: EP0829922A2] The phase controlled antenna unit has several rows and division arrangements of reception and propagation elements. There is also a distributor and phase positioning network for creating a defined transmission/reception characteristic. There is a waveguide ÄWEÜ that has a rectangular form, and is intended for a 5 Ghz frequency region. The waveguide has two gates ÄT1,T2Ü one of which can be used to receive and the other to transmit. A predetermined number of slots ÄS1-SnÜ are used as input/output coupling slots and are shaped at half wavelength intervals along the length. Located in the slots are coupling waveguides ÄVW1---VWnÜ. Two such networks can be coupled together.

IPC 1-7
H01Q 21/00; **H01Q 3/36**; **H01Q 25/02**

IPC 8 full level
H01Q 3/36 (2006.01); **H01Q 21/00** (2006.01); **H01Q 25/02** (2006.01)

CPC (source: EP US)
H01Q 3/36 (2013.01 - EP US); **H01Q 21/0006** (2013.01 - EP US); **H01Q 21/0037** (2013.01 - EP US); **H01Q 21/0043** (2013.01 - EP US); **H01Q 21/005** (2013.01 - EP US); **H01Q 25/02** (2013.01 - EP US)

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DE 19636850 A1 19980312; DE 59711043 D1 20040108; EP 0829922 A2 19980318; EP 0829922 A3 20000308; EP 0829922 B1 20031126; EP 1329984 A1 20030723; US 6037910 A 20000314

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