

Title (en)
Antenna for wireless operated communication terminals

Title (de)
Antenne für funkbetriebene Kommunikationsendgeräte

Title (fr)
Antenne pour terminaux de radiocommunication sans fil

Publication
EP 1026774 A2 20000809 (DE)

Application
EP 00100923 A 20000118

Priority
DE 19903005 A 19990126

Abstract (en)
The antenna includes a planar inverted F-antenna with a feeding point and one or several earth connections. The antenna determines with its size the lower emission frequency and has one or several notches or graduations in its lateral direction. One or several geometrical paths are provided which are composed of straight or bent single paths and which extend from the feeding point to another corner provided by the notches, graduations or form changes. Emitted waves are formed with a higher frequency than the predetermined lower frequency. Preferably, a separated earth plate is allocated to the antenna.

Abstract (de)
Die vorliegende Erfindung betrifft eine Antenne für funkbetriebene Kommunikationsendgeräte (2). Zur Verwirklichung einer Multibandantenne ist eine planare Inverted-F-Antenne (1) vorgesehen, die in ihrer Größe für eine vorgegebene untere Abstrahl-Frequenz ausgelegt ist, und die in Längsrichtung eine oder mehrere Einkerbungen oder Abstufungen aufweist, mittels derer sich eine oder mehrere geometrische Strecken ergeben, über deren Verlauf sich abstrahlbare Wellen mit einer höheren Frequenz als die vorgegebene untere Frequenz ausbilden. <IMAGE>

IPC 1-7
H01Q 1/24; **H01Q 5/00**

IPC 8 full level
H01Q 1/24 (2006.01); **H01Q 1/38** (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/357** (2015.01); **H01Q 5/364** (2015.01); **H01Q 5/371** (2015.01); **H01Q 9/04** (2006.01)

CPC (source: EP US)
H01Q 1/243 (2013.01 - EP US); **H01Q 1/38** (2013.01 - EP US); **H01Q 5/357** (2015.01 - EP US); **H01Q 5/364** (2015.01 - EP US); **H01Q 5/371** (2015.01 - EP US); **H01Q 9/0421** (2013.01 - EP US); **H01Q 9/0471** (2013.01 - EP US)

Citation (applicant)
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