

Title (en)  
MULTIPLE BAND, MULTIPLE BRANCH ANTENNA FOR MOBILE PHONE

Title (de)  
ANTENNE MIT MULTIBAND UND MULTIVERZWIEGUNG FÜR MOBILTELEFON

Title (fr)  
ANTENNE MULTIBANDE ET MULTIBRANCHE POUR TELEPHONE MOBILE

Publication  
**EP 1025613 A1 20000809 (EN)**

Application  
**EP 98950573 A 19981016**

Priority  
• SE 9801865 W 19981016  
• US 95884697 A 19971028  
• US 12917698 A 19980804

Abstract (en)  
[origin: WO9922420A1] A multiple band antenna having multiple branches, each branch having a length and geometry selected to resonate in a particular frequency band. Each branch can be formed by a flexible film which has a meandering strip line pattern formed thereon and which is formed into a desired shape. Each branch can also be formed by etching a strip line to a member of a desired shape. The strip line pattern is preferably formed by printing so as to avoid mechanical tolerance problems.

IPC 1-7  
**H01Q 1/24**; **H01Q 5/00**; **H01Q 9/46**; **H01Q 1/38**; **H04B 1/38**

IPC 8 full level  
**H01Q 1/24** (2006.01); **H01Q 1/38** (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/01** (2006.01); **H01Q 5/10** (2015.01); **H01Q 5/371** (2015.01); **H01Q 9/42** (2006.01); **H01Q 9/46** (2006.01); **H04B 1/38** (2006.01)

CPC (source: EP KR)  
**H01Q 1/24** (2013.01 - KR); **H01Q 1/243** (2013.01 - EP); **H01Q 1/38** (2013.01 - EP); **H01Q 5/371** (2015.01 - EP); **H01Q 9/46** (2013.01 - EP)

Citation (search report)  
See references of WO 9922420A1

Designated contracting state (EPC)  
DE DK ES FI FR GB IT SE

DOCDB simple family (publication)  
**WO 9922420 A1 19990506**; AU 9657998 A 19990517; CN 1290412 A 20010404; EP 1025613 A1 20000809; IL 135848 A0 20010520; JP 2001522152 A 20011113; KR 100602539 B1 20060719; KR 20010031488 A 20010416; TW 392376 B 20000601

DOCDB simple family (application)  
**SE 9801865 W 19981016**; AU 9657998 A 19981016; CN 98812744 A 19981016; EP 98950573 A 19981016; IL 13584898 A 19981016; JP 2000518424 A 19981016; KR 20007004525 A 20000427; TW 87117928 A 19981029