

Title (en)
AN INTEGRATED ANTENNA SYSTEM

Title (de)
INTEGRIERTES ANTENNENSYSYSTEM

Title (fr)
SYSTEME D'ANTENNE INTEGRE

Publication
EP 1430563 A4 20050209 (EN)

Application
EP 02713361 A 20020107

Priority
• US 0200239 W 20020107
• US 26008301 P 20010106

Abstract (en)
[origin: WO02060004A2] The present invention provides a system, apparatus and method for providing a selectably-tuned miniature antenna. The integrated antenna system has a casing with a plurality of conductive pins aligned along parallel sides, such as a standard DIP package or surface mount integrated circuit package. The antenna system also has a plurality of resonating elements each having a first connection and a second connection. Each resonating element is connected at the first connection to a different one of the conductive pins of the casing. Each resonating element is also electrically connected at the second connection to others resonating elements at a common pin, which is typically connected to ground. The system also has an antenna element; and each resonating element is electrically coupled to that antenna element.

IPC 1-7
H01Q 1/00; **H01Q 1/22**; **H01Q 23/00**; **H03H 7/46**; **H01L 23/057**

IPC 8 full level
H01Q 1/22 (2006.01); **H01Q 7/00** (2006.01)

CPC (source: EP)
H01Q 1/2283 (2013.01); **H01Q 7/00** (2013.01)

Citation (search report)
• [A] WO 9953740 A1 19991021 - GOODYEAR TIRE & RUBBER [US], et al
• [A] EP 0863570 A2 19980909 - MURATA MANUFACTURING CO [JP]
• [A] EP 0800229 A2 19971008 - MURATA MANUFACTURING CO [JP]
• [A] DE 3033667 A1 19820422 - FTE MAXIMAL FERNSEHTECH [DE]
• See references of WO 02060004A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 02060004 A2 20020801; **WO 02060004 A3 20021114**; AU 2002245218 A1 20020806; EP 1430563 A2 20040623; EP 1430563 A4 20050209

DOCDB simple family (application)
US 0200239 W 20020107; AU 2002245218 A 20020107; EP 02713361 A 20020107