

Title (en)
A PORTABLE COMMUNICATION APPARATUS HAVING A DISPLAY AND AN ANTENNA WITH A PLANE RADIATING MEMBER

Title (de)
TRAGBARE KOMMUNIKATIONSVORRICHTUNG MIT EINER ANZEIGE UND EINER ANTENNE MIT EINEM PLANAREN STRAHLUNGSGLIED

Title (fr)
APPAREIL DE COMMUNICATION PORTABLE COMPRENANT UN AFFICHEUR ET UNE ANTENNE DOTEES D'UN ELEMENT RAYONNANT PLAT

Publication
EP 1328999 A1 20030723 (EN)

Application
EP 01970449 A 20010924

Priority

- SE 0102051 W 20010924
- SE 0003426 A 20000925
- US 23927100 P 20001012

Abstract (en)
[origin: WO0225770A1] A portable communication apparatus (10) has a display (12) and a first antenna with a plane radiating member (50). The display (12) and the plane radiating member (50) are integrated in a multi-layer structure (16), which is built into the portable communication apparatus. The first antenna may preferably be adapted for satellite communication, such as GPS.

IPC 1-7
H01Q 1/24; **H01Q 1/38**; **H04M 1/725**

IPC 8 full level
H01Q 1/22 (2006.01); **H01Q 1/24** (2006.01); **H01Q 1/38** (2006.01); **H01Q 1/40** (2006.01); **H01Q 1/44** (2006.01); **H04B 1/38** (2006.01); **H04M 1/02** (2006.01)

CPC (source: EP)
H01Q 1/243 (2013.01); **H01Q 1/38** (2013.01); **H01Q 1/40** (2013.01); **H01Q 1/44** (2013.01); **H04B 1/3833** (2013.01)

Citation (search report)
See references of WO 0225770A1

Cited by
CN110212284A

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 0225770 A1 20020328; AU 9045001 A 20020402; EP 1328999 A1 20030723; JP 2004509545 A 20040325

DOCDB simple family (application)
SE 0102051 W 20010924; AU 9045001 A 20010924; EP 01970449 A 20010924; JP 2002528874 A 20010924