

Title (en)

COMPACT, IN PARTICULAR PORTABLE RADIO TRANSCEIVER WITH RETRACTABLE OR COLLAPSIBLE ANTENNA

Publication

EP 0511577 A3 19930324 (DE)

Application

EP 92106818 A 19920421

Priority

DE 4114194 A 19910430

Abstract (en)

[origin: EP0511577A2] A portable radio transceiver with retractable or foldable rod antenna (2; 2') and additional integrated auxiliary antenna (7; 7') which, when the rod antenna is retracted or folded, ensures at least emergency operation of the set. The integrated antenna is constructed on a conical housing projection (6), the internal space of which is connected to the receiving space (5) for accommodating the retracted or folded rod antenna. The part (4) of the rod antenna which is located in the said housing projection (6) when the rod antenna is retracted or folded over consists of insulating material so that it then does not impair the operation of the integrated antenna (6; 6'). When the rod antenna is pulled out or folded out, the feed section (3) arranged at its base is located within the housing projection (6) so that it detunes the integrated antenna (7) to such an extent that it cannot exert any interfering influence. <IMAGE>

IPC 1-7

H04B 1/38

IPC 8 full level

H01Q 1/24 (2006.01); **H04B 1/38** (2006.01)

CPC (source: EP)

H01Q 1/244 (2013.01)

Citation (search report)

- [X] US 4121218 A 19781017 - IRWIN JAMES STUART, et al
- [Y] US 4868576 A 19890919 - JOHNSON JR ROBERT M [US]
- [Y] US 3087117 A 19630423 - MITCHELL JOHN F
- [A] US 4890114 A 19891226 - EGASHIRA YOSHIMI [JP]
- [A] GB 2175748 A 19861203 - TEXAS INSTRUMENTS INC

Cited by

US6006117A; FR2722626A1; US5907307A; US6166694A; FR2710194A1; EP0803929A1; EP0644606A1; US5548827A; GB2315368A; US5926140A; GB2315368B; GB2333903A; US6016125A; GB2333903B; ES2154611A1; US6069592A; EP0649181A1; FR2711277A1; US5668559A; EP0716469A4; US5861859A; US5757325A; EP1069642A3; EP1069643A3; GB2347560A; GB2347560B; CN1129975C; EP0747989A1; US5734351A; US6310578B1; US6343208B1; US6329962B2; US6353443B1; FR2730094A1; NL1001551C2; US5825330A; EP0650215A3; US5617105A; GB2285180A; EP0660440A1; US5612704A; GB2285180B; EP2234209A4; WO9633522A1; WO9621254A1; WO9828856A1; WO9809342A1; WO0109976A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0511577 A2 19921104; EP 0511577 A3 19930324; EP 0511577 B1 19980624; AT E167769 T1 19980715; DE 59209381 D1 19980730

DOCDB simple family (application)

EP 92106818 A 19920421; AT 92106818 T 19920421; DE 59209381 T 19920421