

Title (en)
Portable wireless machine

Title (de)
Tragbares Funkgerät

Title (fr)
Machine sans fil portable

Publication
EP 2187475 A1 20100519 (EN)

Application
EP 10153972 A 20030626

Priority

- EP 09151532 A 20030626
- EP 03741127 A 20030626
- JP 2002210612 A 20020719
- JP 2003015675 A 20030124
- JP 2003167962 A 20030612

Abstract (en)
A portable radio device includes a first casing (210), a second casing (211), a connection portion (212b) which connects the first casing with the second casing so as to freely rotate, a first antenna element (214) which is provided in the first casing, a second antenna element (221) which is provided in the second casing, and at least two feeding portions (220a,220b,222a,222b), each of them having one end electrically connected to the first antenna element through the connection portion and the other end electrically connected to the second antenna element. A switching portion (223) is provided between the feeding portions adapted to select any one out of the plurality of the feeding portions to be connected to a radio circuit.

IPC 8 full level
H01Q 3/24 (2006.01); **H01Q 1/24** (2006.01); **H01Q 9/16** (2006.01); **H01Q 9/30** (2006.01); **H01Q 9/42** (2006.01); **H01Q 21/29** (2006.01); **H01Q 23/00** (2006.01)

CPC (source: EP)
H01Q 1/243 (2013.01); **H01Q 3/24** (2013.01); **H01Q 9/16** (2013.01); **H01Q 9/42** (2013.01); **H01Q 21/29** (2013.01); **H01Q 23/00** (2013.01)

Citation (applicant)

- JP 2001045123 A 20010216 - MATSUSHITA ELECTRIC IND CO LTD
- JP H10308618 A 19981117 - NIPPON DENKI SAITAMA KK
- JP 2001284934 A 20011012 - KYOCERA CORP
- JP 2001156898 A 20010608 - NEC SAITAMA LTD
- JP H0964778 A 19970307 - NEC CORP
- JP H10190330 A 19980721 - CASIO COMPUTER CO LTD
- JP H1084406 A 19980331 - MITSUBISHI ELECTRIC CORP

Citation (search report)

- [Y] US 4471493 A 19840911 - SCHOBBER EDWARD A [US]
- [Y] WO 0129927 A1 20010426 - SIEMENS AG [DE], et al
- [Y] US 5170173 A 19921208 - KRENZ ERIC L [US], et al
- [A] US 5561437 A 19961001 - PHILLIPS JAMES P [US], et al
- [A] WO 0203665 A1 20020110 - MATSUSHITA ELECTRIC IND CO LTD [JP], et al
- [AP] EP 1258943 A1 20021120 - MITSUBISHI ELECTRIC CORP [JP]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 8 29 August 1997 (1997-08-29)
- [Y] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 12 31 October 1998 (1998-10-31)

Cited by
DE102017203606B4

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DE FR GB

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EP 1538694 A1 20050608; EP 1538694 A4 20060222; EP 1538694 B1 20100414; AU 2003281595 A1 20040209; CN 100466376 C 20090304; CN 1682405 A 20051012; DE 60332126 D1 20100527; EP 2053689 A1 20090429; EP 2187475 A1 20100519; EP 2187475 B1 20120822; WO 2004010530 A1 20040129

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EP 03741127 A 20030626; AU 2003281595 A 20030626; CN 03821619 A 20030626; DE 60332126 T 20030626; EP 09151532 A 20030626; EP 10153972 A 20030626; JP 0308149 W 20030626