Title (en)

Wireless transceiver having double rotary antenna

Title (de)

Drahtloses Sende-Empfangs-Gerät mit doppelter rotierender Antenne

Title (fr)

Émetteur-récepteur sans fil disposant d'une double antenne rotative

Publication

EP 2151886 A1 20100210 (EN)

Application

EP 08161977 A 20080807

Priority

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Abstract (en)

This invention relates to a double rotary antenna and a wireless transceiver carrying the antenna. The antenna includes a sleeve, a shaft, a spring, a pivot portion and an antenna portion. The sleeve is provided to be connected with a circuit board of the wireless transceiver and has a first retaining portion. The shaft is received in the sleeve and capable of linearly moving and rotating and has a first end extending outside the sleeve and a second end formed with a second retaining portion. The spring is received around the shaft and biased between the first and second retaining portions. The pivot portion is engaged with the first end of the shaft and capable of swinging with respect to the shaft in order to drive the shaft to move linearly. Additionally, the antenna portion is secured on the pivot portion and configured to transmit or receive wireless signals.

IPC 8 full level

H01Q 1/08 (2006.01); **H01Q 1/22** (2006.01); **H01Q 1/24** (2006.01); **H01Q 1/38** (2006.01)

CPC (source: EP)

H01Q 1/084 (2013.01); **H01Q 1/2275** (2013.01); **H01Q 1/244** (2013.01); **H01Q 1/38** (2013.01)

Citation (applicant)

- TW 317082 U 19971001 - SHINTOWA CO LTD [JP]
- TW 299931 U 19970301 - POWERCHIP SEMICONDUCTOR CORP [TW]

Citation (search report)

- [X] JP S55147806 A 19801118 - MATSUSHITA ELECTRIC IND CO LTD
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- [X] US 4376939 A 19830315 - REID JAMES B
- [X] JP 2000307331 A 20001102 - MATSUSHITA ELECTRIC IND CO LTD
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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