

Title (en)
Communication device for a meter apparatus

Title (de)
Kommunikationsgerät für einen Meter

Title (fr)
Dispositif de communication pour un compteur

Publication
EP 1624524 A1 20060208 (FR)

Application
EP 05300653 A 20050804

Priority
FR 0451808 A 20040806

Abstract (en)
The device has a planned inverted folded antenna (PIFA) (3) with a resonance device having surfaces (4, 7, 10). A cylindrical battery (5) has an envelope with a portion that is used as ground plane for the resonance of the antenna and that extends over three dimensions. The surfaces can coarsely follow the shape of the portion. The antenna enters into resonance through the surface (7) that extends along the envelope beyond two ends. An independent claim is also included for a meter comprising a communication device.

IPC 8 full level
H01Q 1/22 (2006.01); **H01Q 1/36** (2006.01); **H01Q 1/44** (2006.01); **H01Q 9/04** (2006.01)

CPC (source: EP)
H01Q 1/22 (2013.01); **H01Q 1/2233** (2013.01); **H01Q 1/44** (2013.01); **H01Q 9/0421** (2013.01)

Citation (search report)

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- [A] US 2003146877 A1 20030807 - MUELLER WOLFGANG [DE]
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- [A] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 01 29 January 1999 (1999-01-29)

Designated contracting state (EPC)
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