

Title (en)
AERIAL COUPLING DEVICE

Publication
EP 0100639 A3 19860305 (EN)

Application
EP 83304287 A 19830725

Priority
GB 8222262 A 19820802

Abstract (en)
[origin: EP0100639A2] An aerial coupling device enables an electronic circuit, such as a radio receiver or transmitter to be coupled to a body which then acts as an aerial. The aerial coupling device comprises one or more inductive elements (3) which may be part of respective resonating circuits (2), supported by a bracelet or wrist strap (1). Each inductive element (3) includes one or more loops or coils, which may be wound on a ferrite core (6), the loops or coils extending in the direction of the arm, i.e. being transverse to the longitudinal axis of the bracelet or wrist strap. A case, such as a watch case (9), attached to the bracelet or wrist strap (1) houses receiver or transmitter circuitry (7) and optionally a timing circuit and a time display (10). The aerial coupling device may also be incorporated in other means, such as belt.

IPC 1-7
H01Q 1/27; **H01Q 1/44**

IPC 8 full level
H01Q 1/27 (2006.01); **H01Q 1/44** (2006.01)

CPC (source: EP)
H01Q 1/273 (2013.01); **H01Q 1/44** (2013.01)

Citation (search report)
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• [X] DE 2938584 A1 19810409 - BATTELLE INSTITUT E V [DE]
• [A] US 3098231 A 19630716 - ST VRAIN WALLACE E, et al
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• [A] US 2470687 A 19490517 - CAFRELLA ORRIN G, et al
• [Y] PATENTS ABSTRACTS OF JAPAN, vol. 6, no. 55 (E-101)[933], 10th April 1982; & JP-A-56 169 401 (SHIYUUICHI SAKAI) 26-12-1981

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