

Title (en)

An electric device having a circuit wiring in a band.

Title (de)

Elektrische Vorrichtung mit einem Verdrahtungskreis in einem Armband.

Title (fr)

Dispositif électrique avec un circuit de câblage dans un bracelet.

Publication

**EP 0631341 A1 19941228 (EN)**

Application

**EP 94304621 A 19940624**

Priority

JP 15744893 A 19930628

Abstract (en)

A watch-type electric device having circuit wiring like an antenna in a band, which comprises a containing portion (1a) in a band, a piling portion (1b) extending to the circumference where a case (3) overlaps with a case back (4), and a connecting portion (1c) disposed inwardly from the piling portion, which are formed on a wiring substrate (1) having plasticity. Thus the connection of the antenna in the band is achieved with no mechanical connections and hence the band can rotate on the case. <IMAGE>

IPC 1-7

**H01Q 1/27**

IPC 8 full level

**G04B 37/16** (2006.01); **G04G 17/08** (2006.01); **H01Q 1/27** (2006.01)

CPC (source: EP)

**H01Q 1/273** (2013.01)

Citation (search report)

- [A] GB 2201266 A 19880824 - UPPERPACE LIMITED
- [A] US 5168281 A 19921201 - TOKUNAGA IKUO [JP] & JP H0425224 A 19920129 - SEIKO EPSON CORP
- [A] PATENT ABSTRACTS OF JAPAN vol. 17, no. 188 (E - 1349) 13 April 1993 (1993-04-13)

Cited by

EP1612885A1; EP0704927A1; EP1315234A1; GB2330694A; EP1416582A1; AU751988B2; US7038634B2; US7162217B2; US7113137B2; US6854978B2; US7019702B2; WO03061066A1; US6239759B1; US10429204B2; US10564002B2; US11092459B2; WO9935857A1; US9141087B2; US9785121B2; US9864342B2; US9891596B2; US9977405B2; US10824118B2

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