

Title (en)

Radio controlled timepiece with metallic dial

Title (de)

Funkarmbanduhr mit Metallzifferblatt

Title (fr)

Pièce d'horlogerie radio-controlée avec un cadran métallique

Publication

EP 1674952 A3 20071205 (DE)

Application

EP 05021129 A 20050928

Priority

DE 102004063121 A 20041222

Abstract (en)

[origin: EP1674952A2] The watch has a casing, a dial (1) and an antenna (4) that is accommodated in the casing for receiving time indication signals. The dial is made of a metallic material, and the antenna is arranged at a distance (aZA) of 1 millimeter to 4 millimeter with respect to the dial. The thickness (d z) of the dial ranges from 0.5 millimeter to 1 millimeter. The antenna is arranged asymmetrical to a needle axis (a x).

IPC 8 full level

G04B 19/14 (2006.01); **G04G 1/06** (2006.01); **G04G 21/04** (2010.01); **G04R 60/12** (2013.01); **H01Q 1/27** (2006.01)

CPC (source: EP US)

G04G 21/04 (2013.01 - EP US); **G04R 60/12** (2013.01 - EP US); **H01Q 1/273** (2013.01 - EP US); **H01Q 7/00** (2013.01 - EP US)

Citation (search report)

- [XA] WO 2004025782 A1 20040325 - CITIZEN WATCH CO LTD [JP], et al
- [A] DE 29923446 U1 20001130 - JUNGHANS UHREN GMBH [DE]
- [PA] EP 1500991 A2 20050126 - SEIKO EPSON CORP [JP]
- [A] DE 2947946 A1 19800604 - EBAUCHES BETTLACH SA & EP 1548875 A1 20050629 - CITIZEN WATCH CO LTD [JP]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1674952 A2 20060628; **EP 1674952 A3 20071205**; **EP 1674952 B1 20130123**; CN 1794114 A 20060628; CN 1794114 B 20110119; DE 102004063121 A1 20060713; JP 2006189437 A 20060720; US 2006164921 A1 20060727

DOCDB simple family (application)

EP 05021129 A 20050928; CN 200510133892 A 20051222; DE 102004063121 A 20041222; JP 2005367866 A 20051221; US 31424805 A 20051222