

Title (en)

Portable waterproof device comprising a sound generator

Title (de)

Tragbares wasserdichtes Gerät, das einen Schallgeber aufweist

Title (fr)

Objet portable étanche comprenant un générateur de son

Publication

EP 1722285 A1 20061115 (FR)

Application

EP 05010121 A 20050510

Priority

EP 05010121 A 20050510

Abstract (en)

The watch has a switch board (2) actuated between two stable states for generating an electrical signal. A state controlling circuit (6) applies a control signal to an input of a frequency selector circuit (8) based on the electrical signal. The selector circuit, in response to the control signal, selects one of a set of frequencies available at an output of a frequency generator circuit. An acoustic transducer (12) emits acoustic signals according to the frequencies based on the medium such as water or air, in which the watch is found.

IPC 8 full level

G04G 21/00 (2010.01); **B63C 11/02** (2006.01); **G04B 47/06** (2006.01); **G04G 13/00** (2006.01); **G04G 99/00** (2010.01)

CPC (source: EP KR US)

B63C 11/02 (2013.01 - EP US); **G04G 13/00** (2013.01 - EP US); **G04G 21/00** (2013.01 - EP KR US)

Citation (search report)

- [XA] EP 1134547 A1 20010919 - SEIKO EPSON CORP [JP]
- [XA] US 5189646 A 19930223 - SAKO YUKITOSHI [JP], et al
- [A] FR 2754088 A1 19980403 - POULTIER BRUNO [FR]
- [A] DE 20101308 U1 20010809 - RUCKS JENS [DE], et al
- [XA] PATENT ABSTRACTS OF JAPAN vol. 009, no. 116 (P - 357) 21 May 1985 (1985-05-21)

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

EP 1722285 A1 20061115; AT E476690 T1 20100815; CN 101171554 A 20080430; CN 101171554 B 20110504; DE 602006015942 D1 20100916; EP 1882213 A1 20080130; EP 1882213 B1 20100804; HK 1119467 A1 20090306; JP 2008541068 A 20081120; JP 4860694 B2 20120125; KR 101201154 B1 20121116; KR 20080005955 A 20080115; US 2009126621 A1 20090521; US 8059494 B2 20111115; WO 2006122641 A1 20061123

DOCDB simple family (application)

EP 05010121 A 20050510; AT 06724622 T 20060428; CN 200680015970 A 20060428; DE 602006015942 T 20060428; EP 06724622 A 20060428; EP 2006003948 W 20060428; HK 08111281 A 20081013; JP 2008510445 A 20060428; KR 20077026207 A 20060428; US 91399206 A 20060428