

Title (en)  
Radio clock.

Title (de)  
Funkuhr.

Title (fr)  
Montre réceptrice.

Publication  
**EP 0588042 A3 19950215 (DE)**

Application  
**EP 93112462 A 19930804**

Priority  
DE 4230531 A 19920912

Abstract (en)  
[origin: EP0588042A2] The invention relates to an autonomous radio clock, the time-incrementing of which is monitored by reception of a so-called time message output by a radio transmitter and is also corrected when deviating from the so-called absolute time radiated by the radio transmitter. In the case of disadvantageous conditions of reception at the site of the radio clock, its receiver (2), cooperating with a decoder (5), can frequently only receive faulty time messages which are no longer decodable. According to the invention, a filter unit (4) is connected between receiver (2) and decoder (5), which filter unit, when the receiver (2) is switched on, generates from the time message a filtered time message (32) obtained on the basis of the analysis of typical reception faults and generates as an indicator of the conditions of reception at the selected site a control signal (33) which occurs at least once, and is rendered recognisable to the user of the radio clock, when a faulty time message is received. <IMAGE>

IPC 1-7  
**G04G 5/00**

IPC 8 full level  
**G04C 10/04** (2006.01); **G04R 20/10** (2013.01)

CPC (source: EP)  
**G04C 10/04** (2013.01); **G04R 20/10** (2013.01)

Citation (search report)

- [A] DE 3015312 A1 19811022 - HILBERG WOLFGANG, et al
- [A] US 4241311 A 19801223 - MASSEY RAYMOND P [US]
- [A] "Intelligent time standard", ELEKTOR ELECTRONICS, no. 135, February 1988 (1988-02-01), BRENTFORD, pages 22 - 30
- [A] PATENT ABSTRACTS OF JAPAN vol. 11, no. 23 (E - 473) 22 January 1987 (1987-01-22)
- [A] WONNAY J. R.: "Die codierte Zeitübertragung nach DCF-77", JAHRBUCH DER DEUTSCHE GESELLSCHAFT FÜR CHRONOMETRIE, vol. 26, no. 26, 1975, STUTTGART, pages J-1 - J-20
- [A] PATENT ABSTRACTS OF JAPAN vol. 9, no. 150 (E - 324) 25 June 1985 (1985-06-25)

Cited by  
EP1137971A4

Designated contracting state (EPC)  
AT CH DE GB LI

DOCDB simple family (publication)  
**DE 4230531 C1 19931118**; EP 0588042 A2 19940323; EP 0588042 A3 19950215

DOCDB simple family (application)  
**DE 4230531 A 19920912**; EP 93112462 A 19930804