

Title (en)

Method for the functioning of a radio clock and radio clock to be used in an environment with disturbed field

Title (de)

Verfahren für den Betrieb einer Funkuhr und Funkuhr für den Einsatz in einem störfeldbehafteten Umfeld

Title (fr)

Procédé pour le fonctionnement d'une montre réceptrice et montre réceptrice apte à être utilisé dans un environnement à champs perturbé

Publication

EP 0590337 B2 20010110 (DE)

Application

EP 93114018 A 19930902

Priority

DE 4233126 A 19921002

Abstract (en)

[origin: EP0590337A1] The invention relates to a method for operating a radio clock (FU) consisting of a crystal-controlled clock (QU) which is synchronized with a time-mark signal by means of a time-mark receiver (ZE) via a signal processor (SP). In a joint arrangement having a further device (G1), for example a computer or a television set, the reception of the time-mark signal is generally largely suppressed because of the interfering effects of the further device (G1). Consequently, in the case of the method according to the invention the synchronization of the quartz-controlled clock (QU) with the time-mark signal is performed exclusively when the further device (G1) does not generate an interference field. For this purpose, a detector (DS) is provided which detects the operating state of the further device and permits the quartz clock (QU) to be synchronized with the time-mark signal only if the further device (G1) generates no interference field or a reduced interference field. Also described is a radio clock which is suitable for operation using the method according to the invention. <IMAGE>

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IPC 8 full level

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CPC (source: EP KR US)

G04C 11/00 (2013.01 - KR); **G04G 7/00** (2013.01 - KR); **G04G 15/00** (2013.01 - EP US); **G04R 20/08** (2013.01 - EP US)

Citation (opposition)

Opponent :

- EP 0180155 A2 19860507 - JUNGHANS UHREN GMBH [DE]
- EP 0180155 B1 19921223
- DE 3128895 A1 19830217 - HILBERG WOLFGANG, et al

Cited by

EP1669818A4; EP0892325A1; DE19730553A1

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