

Title (en)

Vocal reporting device for pointer type timers with photoelectric calibration device.

Title (de)

Fotoelektrische Kalibriervorrichtung für analoge Uhr mit Zeitansage.

Title (fr)

Dispositif d'annonce vocale de temps pour montres à aiguilles, avec moyen de calibration photoélectrique.

Publication

EP 0555506 A1 19930818 (EN)

Application

EP 92102434 A 19920213

Priority

EP 92102434 A 19920213

Abstract (en)

A vocal reporting device for pointer type timers comprising a printed circuit board (5) which converts the positions of the pointers into electric signals and sends the same to a microprocessor (24) to broadcast the time associated therewith with a voice synthesizing circuit (25) and a speaker (26). A photoelectric calibration device (29,30) detects the positions of the pointers and then calibrate the microprocessor with the detected pointer positions. <IMAGE>

IPC 1-7

G04C 21/14; **G04G 13/00**

IPC 8 full level

G04C 21/14 (2006.01); **G04G 13/00** (2006.01)

CPC (source: EP)

G04C 21/14 (2013.01); **G04G 13/00** (2013.01)

Citation (search report)

- [A] EP 0180880 A2 19860514 - JUNGHANS UHREN GMBH [DE]
- [A] GB 2148558 A 19850530 - SEIKOSHA KK
- [A] PATENT ABSTRACTS OF JAPAN vol. 004, no. 160 (P-035)8 November 1980 & JP-A-55 106 377 (CITIZEN WATCH CO LTD)
- [A] PATENT ABSTRACTS OF JAPAN vol. 005, no. 157 (P-083)8 October 1981 & JP-A-56 090 283 (SHARP CORP)

Designated contracting state (EPC)

DE ES FR GB IT PT

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