(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) EP 1 014 235 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
18.09.2002 Bulletin 2002/38

(43) Date of publication A2:
28.06.2000 Bulletin 2000/26

(21) Application number: **99309209.7**

(22) Date of filing: **18.11.1999**

(51) Int Cl.[7]: **G04G 9/00**

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
Designated Extension States:
AL LT LV MK RO SI

(30) Priority: **22.12.1998 JP 36559398**

(71) Applicant: **Mitsumi Electric Company Ltd.**
Chofu-shi Tokyo (JP)

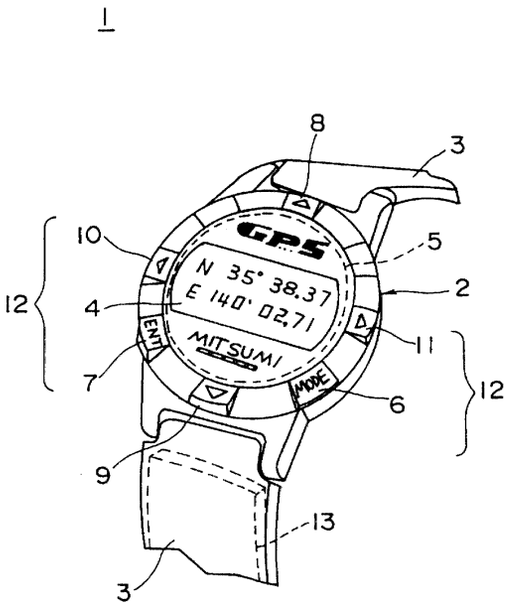
(72) Inventors:
- **Moribe, Itsuo**
  Chofu-Shi, Tokyo (JP)
- **Sakaguchi, Masahiko**
  Chofu-Shi, Tokyo (JP)
- **Kobayashi, Kazuo**
  1601 Sakai, Atsugi-Shi, Kanagawa (JP)

(74) Representative: **Midgley, Jonathan Lee**
Marks & Clerk
57-60 Lincoln's Inn Fields
GB-London WC2A 3LS (GB)

(54) Time display device

(57) A time display device (1) has location detecting means (5, 14, 15, 16) for detecting a location of the time display device (1), clocking means (21) for counting time and time adjusting means (17, 18, 19, 20) for adjusting the counted time of the clocking means (21) to match a local time of the location detected by the location detecting means (5, 14, 15, 16). The location detecting means (5, 14, 15, 16) acquires location information via a global positioning system (GPS) and the time adjusting means (17, 18, 19, 20) automatically computes the local time and adjusts the counted time of the time display device (1) to display the local time, so it is not necessary for the user to perform some operation to adjust the time of the time display device (1) to the local time.

FIG.1



EP 1 014 235 A3

European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 99 30 9209

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X Y	EP 0 498 199 A (MOTOROLA INC) 12 August 1992 (1992-08-12) * column 1, line 43 - column 2, line 38 *	1-6 7	G04G9/00
Y	DE 296 10 011 U (HANSEN LARS) 9 October 1997 (1997-10-09) * page 2, line 27 - page 3, line 15 *	7	
A	WO 98 40795 A (MCDOW RIVES T ;RAWAT PREM P (US)) 17 September 1998 (1998-09-17) * page 3, line 6 - page 7, line 24 *	1-7	
A	WO 95 27927 A (CELESTIAL TIME INC) 19 October 1995 (1995-10-19) * page 3, line 4 - page 5, line 21 *	1-7	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7) G04G

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	25 July 2002	Exelmans, U

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
A : technological background
O : non-written disclosure
P : intermediate document

T : theory or principle underlying the invention
E : earlier patent document, but published on, or after the filing date
D : document cited in the application
L : document cited for other reasons

& : member of the same patent family, corresponding document

EPO FORM 1503 03.82 (P04C01)

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 99 30 9209

This annex lists the patent family membersrelating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

25-07-2002

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
EP 0498199	A	12-08-1992	EP	0498199 A2	12-08-1992
DE 29610011	U	09-10-1997	DE	29610011 U1	09-10-1997
WO 9840795	A	17-09-1998	US	5982710 A	09-11-1999
			AU	6463998 A	29-09-1998
			JP	2000512389 T	19-09-2000
			WO	9840795 A1	17-09-1998
WO 9527927	A	19-10-1995	AU	2283695 A	30-10-1995
			WO	9527927 A1	19-10-1995

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82