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(11) **EP 0 874 292 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
03.03.1999 Bulletin 1999/09

(51) Int Cl.⁶: **G04C 3/14**, G04C 17/00

(43) Date of publication A2:
28.10.1998 Bulletin 1998/44

(21) Application number: **98303226.9**

(22) Date of filing: **27.04.1998**

(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: **25.04.1997 JP 109445/97**
25.04.1997 JP 109446/97
29.01.1998 JP 16701/98
31.03.1998 JP 86710/98

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(54) **Electronic timepiece**

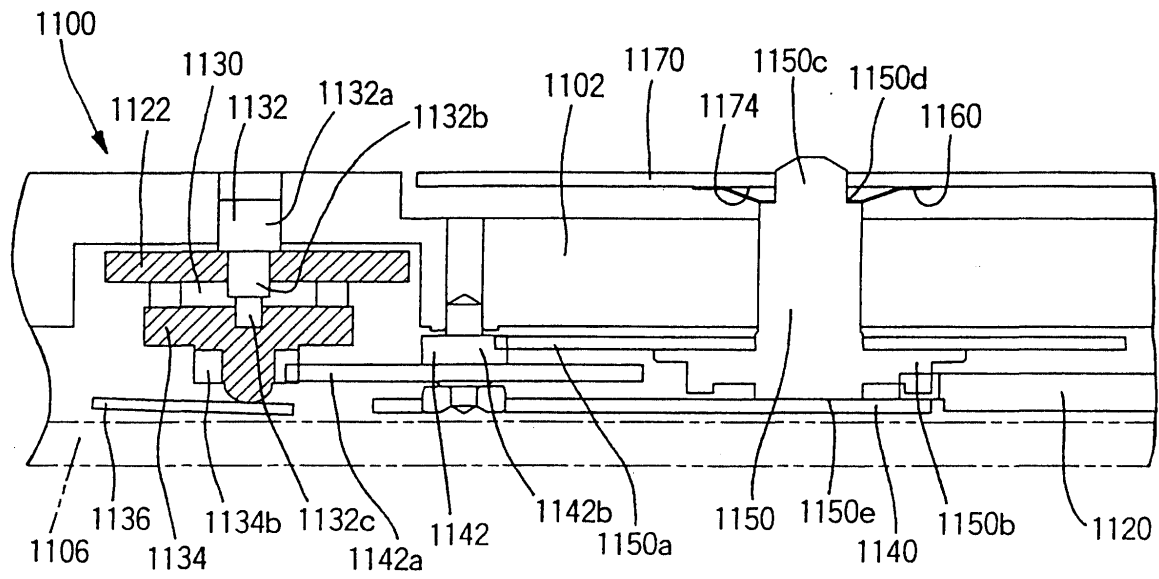
(57) To provide an electronic timepiece enabling reliable detection of a state of rotation of an indication wheel such as a date dial.

An ultrasonic motor 1130 has an ultrasonic rotor pinion 1134b. A date dial 1120 is disposed on a main plate 1102 in such a way as to rotate relative thereto. The ultrasonic rotor pinion 1134b is meshed with an intermediate date driving gear wheel 1142a. A date driving wheel 1150 is rotatably disposed on the main plate 1102. A date driving gear wheel 1150b is meshed with an in-

termediate date driving pinion 1142b. A date driving gear portion 1150b is meshed with a dial gear portion 1120a. A contact point spring 1160 is disposed on a spring guiding portion 1150d. The contact point spring 1160 rotates integrally with the date driving wheel 1150 through the rotation of the date driving wheel 1150. The state of rotation of the date driving wheel 1150 can be detected by contact of the contact point spring 1160 with the contact point pattern 1174.

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FIG. 40





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EUROPEAN SEARCH REPORT

Application Number
EP 98 30 3226

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.6)
A	US 4 271 494 A (MIYAZAKI JOICHI) 2 June 1981 * column 4, line 39 - column 5, line 2; figures 3,4 *	1-25	G04C3/14 G04C17/00
A	US 3 855 781 A (CHIHARA H ET AL) 24 December 1974 * column 5, line 18-62; figure 12 *	1-25	
A	PATENT ABSTRACTS OF JAPAN vol. 009, no. 181 (E-331), 26 July 1985 & JP 60 051478 A (SEIKO DENSHI KOGYO KK), 22 March 1985 * abstract *	1-25	
A	US 5 357 489 A (LUTHIER ROLAND) 18 October 1994 * column 1, line 64 - column 2, line 22 *	1-25	
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A	DE 38 13 935 A (PROIZV OB MI CASOVOJ Z) 2 November 1989 * figure 1 *	1-25	G04C
A	FR 1 557 667 A (UNITED-CARR INC.) 21 February 1969 * figures 1-3 *	1-25	
A	PATENT ABSTRACTS OF JAPAN vol. 005, no. 118 (P-073), 30 July 1981 & JP 56 058680 A (SEIKOSHA CO LTD), 21 May 1981 * abstract *	1-25	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 4 January 1999	Examiner 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)



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EUROPEAN SEARCH REPORT

Application Number
EP 98 30 3226

DOCUMENTS CONSIDERED TO BE RELEVANT			
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A	EP 0 759 584 A (EBAUCHESFABRIK ETA AG) 26 February 1997 * page 2, line 31-45 * -----	1-25	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 4 January 1999	Examiner Exelmans, U
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EPO FORM 1503 03.92 (P04C01)