

Title (en)

Two-motor movement, in particular for a radio clock

Title (de)

Zweimotoren-Räderwerk, insbesondere für eine Funkuhr

Title (fr)

Rouage à deux moteurs, en particulier pour montre réceptrice

Publication

EP 0308879 B2 19960508 (DE)

Application

EP 88115449 A 19880921

Priority

DE 8712809 U 19870923

Abstract (en)

[origin: EP0308879A2] A two-motor movement (11), in particular for a radio clock (10), in which, to correct the instantaneous display in accordance with the actual point in time, the passage of wheel apertures through the beam path (28, 34) of light barriers (27, 33) is detected, is to be designed to provide simpler conditions of assembly and a reduced energy requirement while providing more rapid possibilities for the correction of the display. For this purpose, the kinematically coupled second and minute wheels (18, 20) are driven by one motor (15) while the hour wheel (21) is driven in a manner kinematically independent of the said wheels by another stepping motor (24). Thus, rapid stepping on of the hour wheel (21) is possible without prejudicing the instantaneous position or stepping on of the second and minute wheel (18, 20). Because the positioning of the hour wheel (21) or of the hour hand moved by the latter does not require accuracy to one motor step, a simple reflex light barrier (28) can be used for position detection, with any desired mounting orientation of the hour wheel (21). On the other hand, the involvement of the third wheel (19) in a light barrier (34) leads to positioning or position detection of the minute wheel (20) accurate to one motor step. <IMAGE>

IPC 1-7

G04C 3/14; **G04C 3/00**

IPC 8 full level

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CPC (source: EP)

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Cited by

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