

Abstract

Timepiece

5

A timepiece (1) provides the user's local time and local GMT times in other locations. Twenty four countries, one for each GMT time zone, are marked on a city dial (5) rotated clockwise by the hour hand mechanism once every twelve hours. The cities in time zones 0100-1200 and 1300-2400 are on outer and inner city rings (5b,5a) respectively, with a twelve hour time difference between opposed cities on the rings. The local GMT time of a city is obtained from the city's position relative to time graduations on an outer hour dial (6) and an inner hour dial - the watch face (2). The outer dial (6) may be replaced by suitable time markings on the watch face (2). The positions of the cities and time graduations may be swapped. The annular dial (5) may be replaced by a disc transparent at its centre. The city dial 5 may rotate anticlockwise instead of clockwise with suitable changing of the markings. The rotating dial (5) may be rotated manually, instead of by the hour hand mechanism, whenever a time check is required. Upper and lower quarter dials (10,11), seen through openings (8,9), rotate a quarter turn once every six hours to indicate the time period of the day. A mechanism is disclosed for driving the city dial (5) and the two quarter dials (which may be replaced by hands) from the hour hand mechanism.

[Fig. 1]