

Title (en)
CLOCK DEVICE WITH POSITIONING MEMBER

Title (de)
UHRVORRICHTUNG MIT POSITIONIERORGAN

Title (fr)
DISPOSITIF HORLOGER A ORGANE DE POSITIONNEMENT.

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Application
EP 18723605 A 20180426

Priority
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Abstract (en)
[origin: WO2018203187A1] The invention relates to a clock device (1; 3) comprising a toothed component (11; 31) and a positioning member (10; 20; 30; 40; 50; 60; 80; 90; 110; 120; 130; 140), said positioning member (10; 20; 30; 40; 50; 60; 80; 90; 110; 120; 130; 140) comprising an engagement member (15; 25; 35; 45; 55; 65; 85; 95; 115; 125; 135; 145), a support (12; 22; 32; 42; 52; 62; 82; 92; 112; 122; 132; 142) and a preset elastic member (14; 24; 44; 54; 64; 84; 94; 114; 124; 134; 144) connecting the engagement member (15; 25; 35; 45; 55; 65; 85; 95; 115; 125; 135; 145) to the support (12; 22; 32; 42; 52; 62; 82; 92; 112; 122; 132; 142), the toothed component (11; 31) being able to move into different consecutive rest positions, the engagement member (15; 25; 35; 45; 55; 65; 85; 95; 115; 125; 135; 145) being arranged so that, in each of the rest positions, it is engaged between two consecutive teeth of the toothing (111; 311) of the toothed component (11; 31) and held between said two teeth by the elastic member (14; 24; 34; 44; 54; 64; 84; 94; 114; 124; 134; 144) for holding said toothed component (11; 31) in the rest position in question, and so that, when a toothed component (11; 31) is moved by one step from a rest position to the next rest position, the engagement member (15; 25; 35; 45; 55; 65; 85; 95; 115; 125; 135; 145) is lifted by one of said two teeth against the action of the elastic member (14; 24; 34; 44; 54; 64; 84; 94; 114; 124; 134; 144) and is then positioned between said tooth and another consecutive tooth so that it holds the toothed component (11; 31) in said next rest position, the positioning member (10; 20; 30; 40 50, 60; 80; 90; 110; 120; 130; 140) being arranged so that, when said toothed component (11; 31) is moved by one step, the engagement member (15; 25; 45; 55; 65; 85; 95; 115; 125; 135; 145) moves in a predetermined range of positions relative to the support (12; 22; 32; 42; 52; 62; 82; 92; 112; 122, 39 132, 142), the stiffness of the elastic member (14; 24; 34; 44; 54; 64; 84; 94; 114; 124; 134; 144) being nil or negative in at least one part of the predetermined range.

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