

Title (en)
CHIMING MECHANISM WITH HAMMER STRIKING THE WATCH CRYSTAL

Title (de)
SCHLAGMECHANISMUS MIT AUF UHRGLAS SCHLAGENDEM HAMMER

Title (fr)
MÉCANISME DE SONNERIE AVEC MARTEAU TAPANT SUR LA GLACE

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Abstract (en)
The present invention concerns a chiming mechanism (1) for producing a sound at specific moments in time and adapted for integration into a timepiece (10) which is equipped with a timepiece movement (14), preferably into a timepiece equipped with a mechanical watch movement, and which has a case (11) with at least one opening, said opening being closed by a crystal (2.1), the chiming mechanism (1) comprising a gong element (2) adapted to vibrate in order to produce a sound as well as an actuating element (3) adapted to strike onto the gong element (2) in order to produce vibrations of said gong element. The chiming mechanism distinguishes from prior art due to the fact that its gong element (2) of the chiming mechanism (1) consists in said crystal (2.1) and due to the fact said actuating element (3) comprises a striking part (3.1) adapted to move, if actuated, at least partially in a direction essentially perpendicular to a plane defined by the crystal (2.1) and to strike an inner surface of the crystal (2.1) running essentially parallel to a plane defined by said movement (14). The present invention also concerns a timepiece (10) comprising a timepiece movement (14) as well as a striking work (13) like an hour strike and/or minute repeater and/or an alarm as well as such a chiming mechanism (1).

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