

Title (en)

STRIKING MECHANISM FOR A WATCH OR A MUSIC BOX WITH A KEYBOARD HAVING OPTIMISED ACTIVATION ENERGY

Title (de)

SCHLAGWERK FÜR EINE UHR ODER SPIELDOSE MIT EINER TASTATUR MIT OPTIMIERTER AKTIVIERUNGSENERGIE

Title (fr)

MECANISME DE SONNERIE DE MONTRE OU DE BOÎTE A MUSIQUE A CLAVIER A ENERGIE D'ACTIVATION OPTIMISEE

Publication

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Application

**EP 14802672 A 20141126**

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Abstract (en)

[origin: WO2015086317A2] The invention relates to a striking mechanism (50) for a watch (100) or a music box (200) comprising a keyboard (1) with optimised activation energy, comprising a plurality of overhanging blades (2). Said blades (2) are each made of a material with Young's modulus  $E$  and density  $\rho$  complying with the inequality: formula (I). All of said blades (2) each comply with the ratio: formula (II), wherein  $b$  is the width,  $L$  the length,  $\delta$  the lift,  $f$  the frequency, and  $U$  the activation energy, of the blade (2),  $U$  being no lower than 20 microwatts, and the blades (2) are arranged to vibrate between 800 Hz and 4000 Hz. The invention further relates to a timepiece (500), watch (100) or music box (200) comprising such a striking mechanism (50).

IPC 8 full level

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