

Title (en)
VERTICAL CLUTCH DEVICE FOR A TIMEPIECE

Title (de)
VERTIKALE KUPPLUNGSVORRICHTUNG FÜR UHR

Title (fr)
DISPOSITIF D'EMBRAYAGE VERTICAL POUR PIECE D'HORLOGERIE

Publication
EP 3869278 B1 20230308 (FR)

Application
EP 20217971 A 20201231

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Abstract (en)
[origin: CN113296383A] The invention relates to a vertical clutch device (1) for a timepiece. The vertical clutch device for a timepiece includes along a vertical axis (12) a first wheel (3) rotatably mounted about the vertical axis (12), a clutch disc (4), a spring (6), and a second wheel (2) rotatably mounted about the vertical axis (12). The vertical clutch device (1) is able to assume a clutched position where the second wheel (2) is rotated by the first wheel under the action of the spring (6) exerting a vertical force F_e to press the clutch disc (4) against the first wheel (3) and a disengaged position where the clutch disc (4) is subjected against the action of the spring (6) to a vertical force F_d separating it from the first wheel (3) so that the second wheel (2) is not rotated by the first wheel (3). The spring (6) of the vertical clutch device (1) is made of a shape memory alloy.

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