

Title (en)
CLOCK MOVEMENT WITH MAGNETIC MASSES AND USING A NON-MAGNETIC COATING FOR COVERING FIXED PARTS OF THE BLANK

Title (de)
UHRWERK MIT MAGNETISCHEN MASSEN UND EINER NICHTMAGNETISCHEN BESCHICHTUNG ZUM BEDECKEN VON FESTSTEHENDEN TEILEN DES ROHWERKS

Title (fr)
MOUVEMENT D'HORLOGERIE A MASSES AIMANTEES ET UTILISANT UN REVETEMENT NON MAGNETIQUE POUR RECOUVRIR DES PARTIES FIXES D'EBAUCHE

Publication
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Abstract (en)
[origin: EP1237058A1] The micro-generator (1) includes magnetic parts (5) and is partially surrounded by non magnetic parts (11,12) covered by a finishing cover. The finishing cover covering the rough finish parts (11,12) situated in proximity to the micro-generator has essentially non-magnetic properties. The covering includes at least two metallic layers, and at least those in contact with the parts (11,12) contains nickel forming part of a non-magnetic alloy. The micro-generator (1) has a rotor (2) including two disk flanges (3). Each disk has on its face opposite the other a number of magnets (5). The micro-generator has also an electronic module (6) including at least a stator winding (4) partially inserted between the two disk flanges (3). The generator is partially situated in a volume delimited by the orthogonal projections from the parts (11,12). The generator detects the presence of an external magnetic field and assures the operation of a compass.

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G04C 3/00

IPC 8 full level
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