

Title (en)

STEPPING MOTOR, PARTICULARLY FOR ELECTRONIC WATCH.

Title (de)

SCHRITTMOTOR, INSBESONDERE FÜR ELEKTRONISCHE UHREN.

Title (fr)

MOTEUR PAS A PAS, NOTAMMENT POUR MONTRE ELECTRONIQUE.

Publication

EP 0059183 A1 19820908 (FR)

Application

EP 81900817 A 19810408

Priority

CH 654080 A 19800829

Abstract (en)

[origin: WO8200929A1] The two polar parts (9 and 10) which extend respectively above and underneath the cylindrical permanent magnet (7) forming the motor part of the rotor, are each provided with a generally circular opening but which is profiled and limited by three radial sectors (17) extending towards the center in the plane of the polar parts. Under the effect of alternated pulses circulating in the coil, the polar parts (9 and 10) are energized alternatively in North pole and South pole. By a particular arrangement of the sectors (17) and cutoffs (16) separating them, the balancing position of the rotor between the pulses is shifted with respect to the position towards which it tends when the polar parts are energized.

Abstract (fr)

Les deux pieces polaires (9 et 10) qui s'etendent respectivement au-dessus et au-dessous de l'aimant permanent cylindrique (7) constituant la piece motrice du rotor, presentent chacune une ouverture de forme generale circulaire, mais profilee et limitee par trois secteurs radiaux (17) s'etendant vers le centre dans le plan des pieces polaires. Sous l'effet des impulsions alternees parcourant la bobine, les pieces polaires (9 et 10) sont excitees alternativement en pole Nord et en pole Sud. Par l'agencement particulier des secteurs (17) et des decoupures (16) qui les separent, la position d'equilibre du rotor entre les impulsions est decalee par rapport a celle vers laquelle il tend lorsque les pieces polaires sont excitees.

IPC 1-7

H02K 37/00; **G04C 13/11**; **H02K 21/24**

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