

Title (en)

DETECTOR FOR THE MOVEMENT OF A STEPPING MOTOR

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Application

EP 80105189 A 19800901

Priority

FR 7922609 A 19790904

Abstract (en)

[origin: US4323834A] The invention provides a feed arrangement for a stepping motor which enables step detection and responsive to failure to step applies a series of wide (long duration) pulses in place of the normal short duration pulses. The detector includes sampling means for a first signal developed by the voltage induced in the motor winding during a predetermined period and there are means to generate a second signal which is the integral of the first signal, the amplitude of the second signal indicating whether or not the motor has stepped. The invention may find use with a timepiece micromotor.

IPC 1-7

G04C 3/14

IPC 8 full level

G04C 3/14 (2006.01); **H02P 8/02** (2006.01)

CPC (source: EP US)

G04C 3/143 (2013.01 - EP US)

Citation (examination)

- GB 2009464 A 19790613 - SEIKO INSTR & ELECTRONICS
- EP 0021320 A1 19810107 - SUISSE HORLOGERIE [CH]

Cited by

EP0361209A1; CH673750GA3; EP0108711B1

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