

Title (en)
DETECTOR FOR THE MOVEMENT OF A STEPPING MOTOR

Publication
EP 0024737 B1 19840201 (FR)

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

Designated contracting state (EPC)
CH DE GB IT LI

DOCDB simple family (publication)
EP 0024737 A1 19810311; EP 0024737 B1 19840201; CA 1166683 A 19840501; DE 3066400 D1 19840308; FR 2464478 A1 19810306; FR 2464478 B1 19811120; JP S5646698 A 19810427; JP S5829720 B2 19830624; US 4323834 A 19820406

DOCDB simple family (application)
EP 80105189 A 19800901; CA 359167 A 19800828; DE 3066400 T 19800901; FR 7922609 A 19790904; JP 12292380 A 19800904; US 18192980 A 19800827