

Title (en)

METHOD OF CONTROLLING A STEPPING MOTOR

Publication

EP 0062273 B1 19860723 (FR)

Application

EP 82102626 A 19820329

Priority

CH 216581 A 19810331

Abstract (en)

[origin: US4456866A] A method for slaving a stepping motor proposes several levels of width of the control pulses U in order to adapt the torque provided by the motor to the load imposed thereon. The method includes measurement of the induced voltage U_i during a time interval T_{Ui} situated immediately before the end of the control pulse U if the duration of such pulse does not exceed a predetermined duration T_n (FIG. 8) or within a gap T_x opened in the control pulse U if such pulse does exceed said predetermined duration T_n (FIG. 11). The method may be applied to slaving stepping motors wherein the stator exhibits air gaps or saturable zones.

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G04C 3/14

IPC 8 full level

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

CPC (source: EP US)

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Cited by

EP0679967A4; EP0182490A1; EP0108711A1; US4507599A; CH649187GA3

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