

Title (en)

ARRANGEMENT FOR REGULATING THE NUMBER OF REVOLUTIONS AND PHASE POSITION OF SYNCHRONOUS MOTORS

Publication

**EP 0027856 B1 19841003 (DE)**

Application

**EP 80104425 A 19800728**

Priority

DE 2937838 A 19790919

Abstract (en)

[origin: US4418307A] A method and apparatus for controlling the rotational speed and phase of a synchronous motor is provided by sensing the motion of the poles with respect to the stator to provide sensor signals. The sensor signals are converted to sensor pulses and compared to constant pulses. Driving pulses are generated so that if the poles run ahead, a braking moment is generated, and if the poles lag behind, an accelerating moment is generated.

IPC 1-7

**H02P 5/28**; G05F 1/00; G04C 3/00

IPC 8 full level

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CPC (source: EP US)

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Cited by

EP2249214A4; US8251575B2

Designated contracting state (EPC)

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**EP 0027856 A1 19810506**; **EP 0027856 B1 19841003**; BR 8005314 A 19810519; DE 2937838 A1 19810402; DE 2937838 C2 19860828; JP S5646699 A 19810427; US 4418307 A 19831129

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**EP 80104425 A 19800728**; BR 8005314 A 19800821; DE 2937838 A 19790919; JP 12416080 A 19800909; US 18785580 A 19800916