

Title (en)

POWER SUPPLY SYSTEM FOR n ASYNCHRONOUS MOTORS.

Title (de)

ZUFUHRSYSTEM FÜR N-ASYNCHRONMOTOREN.

Title (fr)

SYSTEME D'ALIMENTATION DE n MOTEURS ASYNCHRONES.

Publication

EP 0676095 A1 19951011 (FR)

Application

EP 94931622 A 19941024

Priority

- FR 9401232 W 19941024
- FR 9312789 A 19931025

Abstract (en)

[origin: WO9512242A1] A power supply system for n asynchronous motors (MA1 ... MAn) including a single inverter (1) having 4n static switches (T1, T'1 ... T2, T'2n) arranged in pairs to form two arms (B1, C1 ... Bn, Cn) connected in parallel to the terminals of a DC voltage source (E) with a centre point, to form n three-phase power supply systems each consisting of two arms (Bn, Cn) and the centre point (O) of the voltage source (E); as well as a controller (2) for generating either synchronous operation of, or speed changes, in the various motors (MA1 ... MAn). The system therefore enables n asynchronous motors to run at different speeds using fewer components and reduced control electronics.

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