

Title (en)

MESH CONNECTED ELECTRICAL ROTATING MACHINE WITH SPAN CHANGING

Title (de)

MASCHENVERBUNDENE ELEKTRISCHE DREHMASCHINE MIT SPANNENWECHSEL

Title (fr)

MACHINE TOURNANTE ELECTRIQUE A CONNEXION EN POLYGONE A PORTEE VARIABLE

Publication

**EP 1389362 A4 20070307 (EN)**

Application

**EP 02744124 A 20020426**

Priority

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- US 28686201 P 20010426

Abstract (en)

[origin: WO02089306A1] An electrical rotating apparatus is provided that has variable impedance. This is achieved by connecting one of the polyphase components(406) of the apparatus in a mesh connection. The spanning value, L, of such a mesh connection may be varied by changing the harmonic content supplied by an inverter component. Also provided is a method for connecting an inverter to a motor, wherein a switching arrangement(414) permits the simple alteration between various mesh connections of different span value, changing thereby the Volts/Hertz ratio of the motor.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [Y] US 4751448 A 19880614 - AUINGER HERBERT [DE]
- [Y] US 5614799 A 19970325 - ANDERSON WILLIAM G [US], et al
- [A] US 4890049 A 19891226 - AUINGER HERBERT [DE]
- [A] DE 2908484 A1 19800911 - SIEMENS AG
- [A] US 4218646 A 19800819 - AKAMATSU MASAHIKO [JP]
- [A] US 1536077 A 19250505 - FREDERICK CREEDY
- See references of WO 02089306A1

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