

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 A1 20040218 (EN)

Application

EP 02744124 A 20020426

Priority

- US 0213268 W 20020426
- 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 1-7

H02P 5/17

IPC 8 full level

H02K 3/28 (2006.01); **H02P 25/18** (2006.01); **H02P 25/22** (2006.01); **H02P 29/00** (2006.01); **H02K 5/22** (2006.01)

CPC (source: EP)

H02K 3/28 (2013.01); **H02P 25/18** (2013.01); **H02P 25/22** (2013.01); **H02P 29/50** (2016.02); **H02K 5/225** (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 02089306 A1 20021107; BR 0209188 A 20040803; EP 1389362 A1 20040218; EP 1389362 A4 20070307

DOCDB simple family (application)

US 0213268 W 20020426; BR 0209188 A 20020426; EP 02744124 A 20020426