

Title (en)

ELECTRIC MOTOR COMPRISING A DAMPER WINDING

Title (de)

ELEKTRISCHE MASCHINE MIT DÄMPFUNGSWICKLUNG

Title (fr)

MACHINE ÉLECTRIQUE À ENROULEMENT D'AMORTISSEMENT

Publication

**EP 1999837 A2 20081210 (DE)**

Application

**EP 07726423 A 20070220**

Priority

- EP 2007051602 W 20070220
- DE 102006014613 A 20060329

Abstract (en)

[origin: WO2007113046A2] The aim of the invention is to reduce resonant overvoltages in electric motors. To achieve this, in an electric motor for an n-phase, symmetrical, electrical system comprising n working windings (Au, Av, Aw), which are assigned to the n phases (U, V, W) and are used to generate corresponding magnetic fluxes, a separate damper winding (Du, Dv, Dw) is allocated to each of the n working windings (Au, Av, Aw). The magnetic flux of the respective working winding flows through each damper winding. The n damper windings (Du, Dv, Dw) are connected in series and are short-circuited together. This permits the asymmetric parts of the system to be damped without affecting the working flux.

IPC 8 full level

**H02K 3/20** (2006.01); **H02K 3/04** (2006.01)

CPC (source: EP US)

**H02K 3/20** (2013.01 - EP US)

Citation (search report)

See references of WO 2007113046A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**DE 102006014613 A1 20071011**; EP 1999837 A2 20081210; US 2009174266 A1 20090709; WO 2007113046 A2 20071011; WO 2007113046 A3 20071129

DOCDB simple family (application)

**DE 102006014613 A 20060329**; EP 07726423 A 20070220; EP 2007051602 W 20070220; US 29508507 A 20070220