

Title (en)

METHOD AND DEVICE FOR OPERATING AN ASYNCHRONOUS MACHINE, AND AN ASYNCHRONOUS MACHINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BETREIBEN EINER ASYNCHRONMASCHINE, ASYNCHRONMASCHINE

Title (fr)

PROCÉDÉ ET DISPOSITIF PERMETTANT DE FAIRE FONCTIONNER UNE MACHINE ASYNCHRONE, ET MACHINE ASYNCHRONE

Publication

**EP 3014762 A2 20160504 (DE)**

Application

**EP 14728536 A 20140604**

Priority

- DE 102013212054 A 20130625
- EP 2014061525 W 20140604

Abstract (en)

[origin: WO2014206692A2] The invention relates to a method for operating an asynchronous machine (1) comprising a rotor (3) and a stator (2), in which a torque of the asynchronous machine (1) is adjusted by specifying a desired magnetic flux of a surrounding magnetic field of the stator (2) and specifying a desired slip between a rotational speed of the rotor (3) and the rotational speed of the surrounding magnetic field. According to the invention, at least in the load condition and when a rotary frequency of the surrounding magnetic field of the stator is equal to zero, the desired magnetic flux and/or the desired slip with constant torque is changed in such a way that an actual rotary frequency of the surrounding magnetic field is not equal to zero.

IPC 8 full level

**H02P 27/06** (2006.01); **H02P 23/08** (2006.01)

CPC (source: EP US)

**H02P 23/08** (2013.01 - EP US); **H02P 27/06** (2013.01 - EP US)

Citation (search report)

See references of WO 2014206692A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102013212054 A1 20150108**; CN 105432014 A 20160323; CN 105432014 B 20181127; EP 3014762 A2 20160504; JP 2016523506 A 20160808; JP 6383413 B2 20180829; US 2016156298 A1 20160602; US 9641116 B2 20170502; WO 2014206692 A2 20141231; WO 2014206692 A3 20150702

DOCDB simple family (application)

**DE 102013212054 A 20130625**; CN 201480036056 A 20140604; EP 14728536 A 20140604; EP 2014061525 W 20140604; JP 2016522364 A 20140604; US 201414901437 A 20140604