

Title (en)

ASSEMBLY COMPRISING A SWITCHING SYSTEM, SYNCHRONOUS MACHINE, AND VARIABLE-SPEED DRIVE

Title (de)

ANORDNUNG MIT EINEM SCHALTSYSTEM, SYNCHRONMOTOR UND DREHZAHLVARIABLEM ANTRIEB

Title (fr)

ENSEMBLE COMPORTANT UN SYSTEME DE COMMUTATION, UNE MACHINE SYNCHRONE ET UN VARIATEUR

Publication

EP 2460267 A1 20120606 (FR)

Application

EP 10745420 A 20100729

Priority

- FR 0903805 A 20090731
- IB 2010053460 W 20100729

Abstract (en)

[origin: WO2011013093A1] The present invention relates to an assembly, comprising: a variable-frequency drive (3); a synchronous electric machine (2) comprising a rotor and a stator; and a switching system (4) configured so as to electrically connect the synchronous electric machine (2) to a power grid (100), the stator comprising a main electrical winding (16) connected to the switching system such that power is supplied thereto by the grid (100), and an auxiliary electrical winding (17) connected to a variable-frequency drive (3), the switching system (4) being arranged so as to connect the main electrical winding (16) to the grid (100) when said winding has a voltage, frequency, and/or phase close to the voltage, frequency, and/or phase of the grid (100).

IPC 8 full level

H02P 6/00 (2006.01); **H02P 1/52** (2006.01); **H02P 25/22** (2006.01)

CPC (source: EP)

H02P 1/52 (2013.01); **H02P 6/005** (2013.01); **H02P 25/22** (2013.01); **H02P 2207/05** (2013.01); **H02P 2207/073** (2013.01)

Citation (search report)

See references of WO 2011013093A1

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2011013093 A1 20110203; CN 102484439 A 20120530; EP 2460267 A1 20120606; FR 2948833 A1 20110204; FR 2948833 B1 20121116

DOCDB simple family (application)

IB 2010053460 W 20100729; CN 201080038629 A 20100729; EP 10745420 A 20100729; FR 0903805 A 20090731