

Title (en)
ELECTRIC DRIVE SYSTEM

Title (de)
ELEKTRISCHES ANTRIEBSSYSTEM

Title (fr)
SYSTÈME D'ENTRAÎNEMENT ÉLECTRIQUE

Publication
EP 3111549 A1 20170104 (DE)

Application
EP 15700349 A 20150108

Priority
• DE 102014203550 A 20140227
• EP 2015050223 W 20150108

Abstract (en)
[origin: WO2015128104A1] The invention relates to an electric drive system, comprising an n-phase electric machine, $n > 1$, which has at least two single-phase winding strands, a first inverter, the output connection of which is connected to the phase connection of a first of the single-phase winding strands of the electric machine, at least one second inverter, the output connection of which is connected to the phase connection of a second of the single-phase winding strands of the electric machine, and a DC voltage source which has a plurality of series-connected battery modules and the output connections of which are respectively connected to the input connections of the first inverter and to the input connections of the second inverter, so that the first inverter and the second inverter are arranged in parallel.

IPC 8 full level
H02P 25/22 (2006.01); **H02P 27/06** (2006.01)

CPC (source: EP US)
B60L 15/007 (2013.01 - EP US); **B60L 50/51** (2019.01 - EP US); **B60L 58/21** (2019.01 - EP US); **H02P 25/03** (2016.02 - US); **H02P 25/08** (2013.01 - US); **H02P 25/22** (2013.01 - EP US); **H02P 27/06** (2013.01 - EP US); **B60L 2220/12** (2013.01 - EP US); **B60L 2220/14** (2013.01 - EP US); **B60L 2220/16** (2013.01 - EP US); **B60L 2220/18** (2013.01 - EP US); **Y02T 10/64** (2013.01 - EP US); **Y02T 10/70** (2013.01 - EP US)

Citation (search report)
See references of WO 2015128104A1

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 102014203550 A1 20150827; CN 106031018 A 20161012; EP 3111549 A1 20170104; US 2017070176 A1 20170309; WO 2015128104 A1 20150903

DOCDB simple family (application)
DE 102014203550 A 20140227; CN 201580010722 A 20150108; EP 15700349 A 20150108; EP 2015050223 W 20150108; US 201515121949 A 20150108