Title (en)

LOW-VOLT DECOUPLING FROM A MODULAR ENERGY STORE CONVERTER SYSTEM

Title (de)

NIEDERVOLTAUSKOPPLUNG AUS EINEM MODULAREN ENERGIESPEICHER-UMRICHTERSYSTEM

Title (fr)

DÉCOUPLAGE BASSE TENSION COMPOSÉ D'UN SYSTÈME MODULAIRE ACCUMULATEUR D'ÉNERGIE-ONDULEUR

Publication

EP 3562701 A1 20191106 (DE)

Application

EP 17825847 A 20171221

Priority

- DE 102016125720 A 20161227
- EP 2017084086 W 20171221

Abstract (en)

[origin: WO2018122094A1] The invention discloses a module energy store converter system (10) comprising the following: at least one converter arm (12) comprising a plurality of standard modules (14) connected in series, and at least one extra-low voltage module (ELV module) (40), wherein the standard modules (14) and the ELV module can be connected such that inputs (48) of a transducer (46) of the ELV module can be optionally connected to the storage element (26) of an adjacent standard module (14) serially and/or anti-serially, or the transducer (46) can be decoupled from the storage element (26), and/or the inputs (48) of the transducer (46) can be optionally connected to the storage element of an adjacent standard module (14) in parallel, or the transducer (46) can be decoupled from the storage element (26).

IPC 8 full level

B60L 1/00 (2006.01); **B60R 16/033** (2006.01); **H02M 3/335** (2006.01); **H02M 7/483** (2007.01)

CPC (source: EP US)

B60L 1/00 (2013.01 - EP US); **B60L 58/18** (2019.02 - EP); **B60L 58/19** (2019.02 - EP); **B60L 58/22** (2019.02 - EP US); **H02J 7/0013** (2013.01 - US); **H02M 3/33569** (2013.01 - EP US); **H02M 7/483** (2013.01 - EP US); **H02M 7/4835** (2021.05 - EP US); **H02M 7/49** (2013.01 - EP); Y02T 10/70 (2013.01 - EP); Y02T 10/92 (2013.01 - EP)

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 102016125720 A1 20180628; EP 3562701 A1 20191106; US 11799392 B2 20231024; US 2020014310 A1 20200109; WO 2018122094 A1 20180705

DOCDB simple family (application)

DE 102016125720 A 20161227; EP 17825847 A 20171221; EP 2017084086 W 20171221; US 201716473666 A 20171221