

Title (en)

VOLTAGE CONVERTER, ELECTRIC DRIVE SYSTEM AND METHOD FOR REDUCING INTERFERENCE VOLTAGES

Title (de)

SPANNUNGSUMRICHTER, ELEKTRISCHES ANTRIEBSSYSTEM UND VERFAHREN ZUM REDUZIEREN VON STÖRSPANNUNGEN

Title (fr)

CONVERTISSEUR DE TENSION, SYSTÈME D'ENTRAÎNEMENT ÉLECTRIQUE ET PROCÉDÉ DE RÉDUCTION DES TENSIONS PARASITES

Publication

EP 3391520 A1 20181024 (DE)

Application

EP 16802054 A 20161128

Priority

- DE 102015225095 A 20151214
- EP 2016079014 W 20161128

Abstract (en)

[origin: WO2017102296A1] The present invention relates to interference suppression of interference signals from an inverter. To this end, an inductor is provided at the input end of an inverter, in particular a pulse-controlled inverter. This inductor is preferably arranged between a DC voltage source and the inverter. Furthermore, two capacitors, one side of which is connected to an additional conductor, are provided between the inductor and the DC voltage source and further capacitors, one side of which is likewise connected to the additional conductor, are provided at the phase connections of the inverter.

IPC 8 full level

H02M 1/12 (2006.01); **H02M 7/5387** (2007.01)

CPC (source: EP US)

H02M 1/126 (2013.01 - EP US); **H02M 7/003** (2013.01 - US); **H02M 7/5387** (2013.01 - EP US); **H02P 27/08** (2013.01 - US); **H02M 1/009** (2021.05 - US); **H02M 1/123** (2021.05 - EP US)

Citation (search report)

See references of WO 2017102296A1

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 102015225095 A1 20170614; CN 108450046 A 20180824; EP 3391520 A1 20181024; US 10700591 B2 20200630; US 2018367025 A1 20181220; WO 2017102296 A1 20170622

DOCDB simple family (application)

DE 102015225095 A 20151214; CN 201680073130 A 20161128; EP 16802054 A 20161128; EP 2016079014 W 20161128; US 201616062169 A 20161128