

Title (en)

INTERFERENCE SUPPRESSION FILTER FOR A DC MOTOR AND DC MOTOR HAVING SAID FILTER

Title (de)

ENTSTÖRFILTER FÜR EINEN GLEICHSTROMMOTOR UND GLEICHSTROMMOTOR DAMIT

Title (fr)

FILTRE ANTIPARASITE POUR UN MOTEUR À COURANT CONTINU ET MOTEUR À COURANT CONTINU ÉQUIPÉ DUDIT FILTRE

Publication

EP 3075075 A1 20161005 (DE)

Application

EP 14776851 A 20140925

Priority

- DE 102013224458 A 20131128
- EP 2014070504 W 20140925

Abstract (en)

[origin: WO2015078610A1] The present invention relates to an interference suppression filter for a DC motor (2), comprising two inductors (11, 12) each arranged in a supply line (31, 32) and a Cx capacitor (13) arranged between the supply lines (31, 32) as well as a Cy capacitor (14) arranged between one of the two supply lines (31, 32) and earth (M), wherein the impedances of the inductors (11, 12), of the Cx capacitor (13) and/or of the Cy capacitor (14) are dimensioned in such a manner that a high-frequency interference current which flows in the other of the two supply lines flows away via the Cx capacitor (13) and the Cy capacitor (14). The present invention also relates to a DC motor having the interference suppression filter.

IPC 8 full level

H03H 7/42 (2006.01)

CPC (source: EP US)

H02K 11/02 (2013.01 - US); **H03H 7/0115** (2013.01 - US); **H03H 7/427** (2013.01 - EP US)

Citation (search report)

See references of WO 2015078610A1

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 102013224458 A1 20150528; CN 105765864 A 20160713; EP 3075075 A1 20161005; US 2017163126 A1 20170608; WO 2015078610 A1 20150604

DOCDB simple family (application)

DE 102013224458 A 20131128; CN 201480065143 A 20140925; EP 14776851 A 20140925; EP 2014070504 W 20140925; US 201415039562 A 20140925