

Title (en)

CIRCUIT DEVICE FOR REDUCING COMMON-MODE INTERFERENCE OF A POWER CONVERTER

Title (de)

SCHALTUNGSVORRICHTUNG ZUR REDUKTION VON GLEICHTAKTSTÖRUNGEN EINES STROMRICHTERS

Title (fr)

DISPOSITIF DE COMMUTATION POUR LA RÉDUCTION DE PERTURBATIONS DE SYNCHRONISME D'UN CONVERTISSEUR

Publication

**EP 3891878 A1 20211013 (DE)**

Application

**EP 19786557 A 20191009**

Priority

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- EP 2019077314 W 20191009

Abstract (en)

[origin: WO2020114653A1] The invention relates to a circuit device (100) for reducing common-mode interference of a power converter (60), the power converter (60) forming a common-mode interference source during operation. The circuit device (100) comprises at least one short-circuited additional line (50), which can be coupled to an input (10, 15) and an output (20, 25, 30) of the power converter (60). The additional line (50) conducts the interference currents produced by the common-mode interference source and returns said interference currents to the common-mode interference source.

IPC 8 full level

**H02M 1/12** (2006.01); **H02M 1/00** (2006.01); **H02M 7/5387** (2007.01); **H02M 7/797** (2006.01)

CPC (source: EP US)

**B60L 50/51** (2019.01 - EP); **H02M 1/12** (2013.01 - EP); **H02M 1/123** (2021.05 - US); **H02M 1/126** (2013.01 - EP US); **H02M 1/44** (2013.01 - US); **H02M 7/5387** (2013.01 - US); **H02P 27/06** (2013.01 - US); **B60L 50/60** (2019.01 - US); **B60L 2270/147** (2013.01 - EP US); **H02M 1/0064** (2021.05 - EP); **H02M 1/123** (2021.05 - EP); **H02M 7/5387** (2013.01 - EP); **H02M 7/797** (2013.01 - EP)

Citation (search report)

See references of WO 2020114653A1

Designated contracting state (EPC)

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