

Title (en)

SWITCH DRIVER SYSTEM, SWITCH LEG, INVERTER, ELECTRIC DRIVE AND VEHICLE

Title (de)

SCHALTERANTRIEBSYSTEM, SCHALTBEIN, WECHSELRICHTER, ELEKTRISCHER ANTRIEB UND FAHRZEUG

Title (fr)

SYSTÈME D'ATTAQUE DE COMMUTATEUR, PIED DE COMMUTATEUR, ONDULEUR, ENTRAÎNEMENT ÉLECTRIQUE ET VÉHICULE

Publication

EP 4275278 A1 20231115 (EN)

Application

EP 21810561 A 20211109

Priority

- DE 102021200176 A 20210111
- EP 2021081131 W 20211109

Abstract (en)

[origin: WO2022148566A1] The switch driver system comprises two auxiliary switches (q1, q2) connected to each other at a middle point intended to be connected to a control terminal (G) of a main switch (Q), first and second resistances (Ron, Roff) respectively connected to the two auxiliary control terminals (b1, b2), a driver (202) having first and second terminals (Ton, Toff) respectively connected to the first and second resistances (Ron, Roff). The driver is configured to selectively provide, at its first terminal (Ton), a current (Ion) through the first resistance (Ron) to at least one of the auxiliary control terminals (b1, b2) and drain, at its second terminal (Toff), a current from at least one of the auxiliary control terminals (b1, b2) through the second resistance (Roff). The switch driver system further comprises a capacitance (C1) connected to the second terminal (Toff) of the driver (202) so as to provide a current to the second terminal (Toff) when current is drained at the second terminal (Toff), and a third resistance (R2) connected between the first terminal (Ton) of the driver (202) and the capacitance (C1) so that the capacitance (C1) is charged through the third resistance (R2) when current is provided at the first terminal (Ton).

IPC 8 full level

H03K 17/082 (2006.01); **H03K 17/567** (2006.01)

CPC (source: EP)

H03K 17/0828 (2013.01); **H03K 17/567** (2013.01); **H03K 2217/0027** (2013.01)

Citation (search report)

See references of WO 2022148566A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

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