

Title (en)

SWITCH DEVICE FOR AN ELECTRIC MOTOR, CONTROL DEVICE AND STEERING SYSTEM

Title (de)

SCHALTEREINRICHTUNG FÜR EINEN ELEKTROMOTOR, STEUEREINRICHTUNG, LENKSYSTEM

Title (fr)

DISPOSITIF COMMUTATEUR POUR UN MOTEUR ÉLECTRIQUE, DISPOSITIF DE COMMANDE, SYSTÈME DE BRAQUAGE

Publication

**EP 3443658 A1 20190220 (DE)**

Application

**EP 17705134 A 20170215**

Priority

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- EP 2017053364 W 20170215

Abstract (en)

[origin: WO2017178135A1] The invention relates to a switch device (10) for an electric motor (11), in particular of a steering system of a motor vehicle, comprising at least one half-bridge (5) having two semiconductor switches (3, 4) for energising at least one phase (X) of the electric motor (11) on demand, wherein a drive device (2) is assigned to the semiconductor switches (3, 4), which actuates the semiconductor switches (3, 4) in accordance with an activation signal (AS). According to the invention, the drive device (2) has an oscillator (7) for generating a power stroke frequency, means (6) for receiving a synchronisation signal (SS) and a device (8) for adapting the power stroke frequency in accordance with the synchronisation signal (SS).

IPC 8 full level

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CPC (source: EP KR US)

**B62D 5/046** (2013.01 - US); **H02M 7/53803** (2013.01 - EP KR US); **H02M 7/53875** (2013.01 - EP KR US); **H03L 7/06** (2013.01 - US)

Citation (search report)

See references of WO 2017178135A1

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Designated extension state (EPC)

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DOCDB simple family (publication)

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