

Title (en)

Voltage stabilizing during crank

Title (de)

Spannungsstabilisierung beim Anlassen

Title (fr)

Stabilisation de la tension pendant le démarrage

Publication

EP 2172643 B1 20151223 (EN)

Application

EP 08165593 A 20081001

Priority

EP 08165593 A 20081001

Abstract (en)

[origin: EP2172643A1] The invention is directed to a voltage stabilizing system 300 for stabilizing the power voltage Ubatt provided by an electric power storage 130 to an electrical system 150 and a starter motor 120 during crank of an engine 110 in a vehicle 1000. The stabilizing system 300 comprises a starter switch arrangement 124 and a control unit 140 configured to operatively establish and terminate a communication of power between the power storage 130 and the starter motor 120 of the vehicle 1000 to crank the engine 110. The control unit 140 is configured to operatively establish said communication of power during crank of the engine 110 such that the power provided from the power storage 130 to the starter motor 120 is repeatedly turned off for a period of time #t_off each time the power voltage Ubatt drops below a reference voltage Uref.

IPC 8 full level

F02N 11/08 (2006.01); **H02J 7/00** (2006.01)

CPC (source: EP)

F02N 11/0862 (2013.01); **F02N 2200/063** (2013.01); **F02N 2250/02** (2013.01); **F02N 2300/108** (2013.01)

Cited by

CN103647325A; US10086704B2; EP2568158B1

Designated contracting state (EPC)

DE GB SE

DOCDB simple family (publication)

EP 2172643 A1 20100407; EP 2172643 B1 20151223

DOCDB simple family (application)

EP 08165593 A 20081001