

Title (en)

Method and device for increasing the voltage level of a high-dynamic inductive load

Title (de)

Verfahren und Vorrichtung zur Erhöhung des Spannungsniveaus an hochdynamischen induktiven Stellgliedern

Title (fr)

Méthode et appareil pour accroître le niveau du voltage d'une charge inductive à grande dynamique

Publication

EP 1260694 B1 20090916 (DE)

Application

EP 02010711 A 20020514

Priority

DE 10123519 A 20010515

Abstract (en)

[origin: EP1260694A2] The method involves using the inductive energy present during the switching off of one or more inductive loads (5-7) to increase the voltage when switching on the remaining electromagnetic loads or, if an increased switch-on voltage is exceeded, supplying electrical actuators (9) in the on-board electrical system via switching elements (20-23). AN Independent claim is also included for the following: a circuit for implementing the method.

IPC 8 full level

F02D 41/20 (2006.01); **H03K 17/64** (2006.01); **H03K 17/695** (2006.01); **H01F 7/18** (2006.01)

CPC (source: EP)

F02D 41/20 (2013.01); **F02D 2041/201** (2013.01); **H01F 7/1877** (2013.01); **H01F 2007/1822** (2013.01)

Cited by

FR2866165A1; CN102076946A; CN102575603A; US7580236B2; WO2005086348A1; WO2011000731A1; US11904333B2; US8555859B2; US2021381617A1; US11976744B2; US11873907B2; WO2010084099A1; WO2021247867A1

Designated contracting state (EPC)

DE ES FR IT

DOCDB simple family (publication)

EP 1260694 A2 20021127; **EP 1260694 A3 20050518**; **EP 1260694 B1 20090916**; DE 10123519 A1 20021205; DE 50213843 D1 20091029; ES 2330724 T3 20091215

DOCDB simple family (application)

EP 02010711 A 20020514; DE 10123519 A 20010515; DE 50213843 T 20020514; ES 02010711 T 20020514