

Title (en)

CIRCUIT FOR OPERATING A SOLENOID VALVE

Title (de)

SCHALTUNG ZUM BETREIBEN EINES MAGNETVENTILS

Title (fr)

CIRCUIT DE COMMANDE D'UNE VANNE ÉLECTROMAGNÉTIQUE

Publication

EP 2488741 A1 20120822 (DE)

Application

EP 10743129 A 20100816

Priority

- DE 102009045581 A 20091012
- EP 2010061886 W 20100816

Abstract (en)

[origin: WO2011045104A1] The invention relates to a circuit (40) for operating a solenoid valve, comprising at least one component that is designed to generate a decreasing temporal course of the difference between a force oriented in the opening direction of the solenoid valve and a force oriented in the closing direction of the solenoid valve during a closing process of the solenoid valve, at least following the point in time when the solenoid valve closes. The invention further relates to a method for operating a circuit for a solenoid valve.

IPC 8 full level

F02D 41/20 (2006.01); **H01F 7/18** (2006.01)

CPC (source: EP)

F02D 41/20 (2013.01); **F02D 2041/2003** (2013.01); **F02D 2041/2006** (2013.01); **F02D 2041/2037** (2013.01); **F02D 2041/2041** (2013.01); **H01F 2007/1894** (2013.01)

Citation (search report)

See references of WO 2011045104A1

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 SE SI SK SM TR

DOCDB simple family (publication)

DE 102009045581 A1 20110414; CN 102575605 A 20120711; CN 102575605 B 20150513; EP 2488741 A1 20120822; JP 2013507582 A 20130304; WO 2011045104 A1 20110421

DOCDB simple family (application)

DE 102009045581 A 20091012; CN 201080045774 A 20100816; EP 10743129 A 20100816; EP 2010061886 W 20100816; JP 2012532508 A 20100816