

Title (en)  
INDUCTIVE ENERGY OPTIMIZED VACUUM SOLENOID VALVE

Title (de)  
INDUKTIVES ENERGIEOPTIMIERTES VAKUUMMAGNETVENTIL

Title (fr)  
ÉLECTROVALVE DE DÉPRESSION OPTIMISÉE PAR TRANSMISSION D'ÉNERGIE PAR INDUCTION

Publication  
**EP 2901058 A4 20160713 (EN)**

Application  
**EP 13841757 A 20130924**

Priority  
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Abstract (en)  
[origin: WO2014049608A2] The present invention provides a vacuum solenoid valve which minimizes the switch off or inductive energy to such an extent so that it prevents sudden damage of an electric control unit in a motor vehicle from increased inductive load. Inductive energy optimized vacuum solenoid valve is able to respond to the ON/OFF signal from the ECU at very low inductive load of 17.4mJ at 26V, RT and 24.7mJ at 26V, -400C. This optimized inductive load is almost insufficient to damage the ECU or other electrical components on sudden increase or decrease in temperature in a motor vehicle parts.

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Citation (search report)  
• [Y] US 5720469 A 19980224 - MIYAZATO KAZUO [JP], et al  
• [Y] US 2006243939 A1 20061102 - SEKO NAOHITO [JP]  
• [A] CN 2898470 Y 20070509 - BIYADI CO LTD [CN]  
• [A] US 2008290306 A1 20081127 - OKUDA HIDEKI [JP]  
• See references of WO 2014049608A2

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

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