

Title (en)
SYSTEM FOR REDUCING INSTABILITIES IN VEHICLE ACCELERATION DYNAMICS

Publication
EP 0155993 A3 19860219 (DE)

Application
EP 84112347 A 19841013

Priority
DE 3408002 A 19840303

Abstract (en)
[origin: US4569320A] A device for reducing longitudinal dynamic instabilities of vehicles, in particular back and forth movements of cargo (load) and the uncontrolled periodic feeding of gas having, for the purpose of damping, a differentiation device (8) which differentiates an electric signal of the engine speed of rotation, preferably a voltage. The output signal of the differentiation device feeds a limiter-amplifier (9), the output signal of which, in its turn, intervenes in the deflection of a setting device (4) which acts on the fuel-air mixture of the engine. With this device, a deflection of the setting device takes place which counteracts periodic disturbing changes in speed of rotation while, upon an intended change in position of the setting device by the gas pedal, no perceptible additional effect is exerted on the setting member.

IPC 1-7
F02D 11/10; **F02D 41/04**

IPC 8 full level
F02D 41/22 (2006.01); **B60K 26/04** (2006.01); **F02D 11/10** (2006.01); **F02D 41/04** (2006.01); **F02D 41/14** (2006.01)

CPC (source: EP US)
F02D 41/1498 (2013.01 - EP US); **F02D 2200/1012** (2013.01 - EP US); **F02D 2200/1015** (2013.01 - EP US); **F02D 2250/28** (2013.01 - EP US)

Citation (search report)
• [Y] US 3724433 A 19730403 - VOSS J, et al
• [Y] US 4346776 A 19820831 - TAPLIN LAEL B
• [A] GB 2066930 A 19810715 - VDO SCHINDLING
• [A] US 4010674 A 19770308 - NODDINGS JOHN, et al

Cited by
FR2870484A1; FR2766872A1; EP0631897A1; CN106368843A; US4909215A; US6311670B1; GB2314944A; DE19626536A1; GB2314944B; DE19626536C2; DE3738719A1; DE3738719C2; WO9906685A1; KR100303756B1

Designated contracting state (EPC)
DE FR GB NL SE

DOCDB simple family (publication)
EP 0155993 A2 19851002; **EP 0155993 A3 19860219**; **EP 0155993 B1 19891213**; DE 3408002 A1 19850912; DE 3480726 D1 19900118; JP S60209334 A 19851021; US 4569320 A 19860211

DOCDB simple family (application)
EP 84112347 A 19841013; DE 3408002 A 19840303; DE 3480726 T 19841013; JP 4138385 A 19850304; US 70190585 A 19850215