

Title (en)

DEVICE FOR GENERATING AN ADDITIONAL RESTORING FORCE AT THE GAS PEDAL AND METHOD FOR THE OPERATION THEREOF

Title (de)

VORRICHTUNG ZUR ERZEUGUNG EINER ZUSÄTZLICHEN RÜCKSTELLKRAFT AM GASPEDAL UND VERFAHREN ZU DEREN BETRIEB

Title (fr)

DISPOSITIF POUR PRODUIRE UNE FORCE DE RAPPEL SUPPLÉMENTAIRE AU NIVEAU DE LA PÉDALE D'ACCÉLÉRATEUR ET PROCÉDÉ POUR LE FAIRE FONCTIONNER

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Application

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Abstract (en)

[origin: WO2011003956A1] The invention relates to a device for generating an additional restoring force at the gas pedal for motor vehicles, wherein a position change of the gas pedal with respect to the starting position thereof, which change is brought about by a corresponding actuating force against a restoring force, results in an increase in the driving force of the driving motor, and wherein a restoring force brings the gas pedal back in the direction of the starting position thereof as the actuating force decreases, and wherein an actuator is provided, which applies an additional restoring force acting in the restoring direction of the gas pedal. The present invention further relates to a method for the operation of said device. In order to drive the motor vehicle in an energy-efficient manner, according to the invention the amount of the additional restoring force (F) on the gas pedal (1) is designed such that the gas pedal (1) assumes a position that shifts the operating point of the driving motor into a range having higher efficiency. To this end, acceleration travel, constant travel or deceleration travel is detected depending on the traffic situation, and the additional restoring force (F) on the gas pedal (1) is designed such that the motor vehicle can be driven more energy-efficiently.

IPC 8 full level

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