

Title (en)

DEVICE FOR ELIMINATING SULPHUR OXIDES IN A SYSTEM FOR CAPTURING NITROGEN OXIDES

Title (de)

VORRICHTUNG ZUR BESEITIGUNG VON SCHWEFELOXIDEN IN EINEM SYSTEM ZUM EINFANGEN VON STICKSTOFFOXIDEN

Title (fr)

DISPOSITIF D'ELIMINATION D'OXYDES DE SOUFRE DANS UN SYSTEME DE PIEGEAGE D'OXYDES D'AZOTE

Publication

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Application

EP 09784389 A 20090518

Priority

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Abstract (en)

[origin: WO2010010260A1] One subject of the invention is a device for eliminating sulphur oxides in a system (5) for capturing nitrogen oxides positioned in the exhaust line (E) of an internal combustion engine (1) of a motor vehicle, the engine (1) being fed with air and with fuel, the device comprising control means (8) capable of initiating an elimination of sulphur oxides from the system (5) for capturing nitrogen oxides, by heating the system (5) for capturing nitrogen oxide above a predetermined temperature and by adjusting the richness, in terms of fuel, of the air/fuel mixture to a value greater than 1, the elimination of the sulphur oxides being accompanied by the emission of hydrogen sulphide, characterized in that the device also comprises a system (7) for capturing the hydrogen sulphide emitted, means for oxidizing the captured hydrogen sulphide, and means for measuring or estimating the temperature of the system (7) for capturing hydrogen sulphide, and in that said control means (8) are capable of initiating the elimination of the sulphur oxides when the measured or estimated temperature of the system (7) for capturing hydrogen sulphide is greater than or equal to a threshold value.

IPC 8 full level

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Citation (search report)

See references of WO 2010010260A1

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