

Title (en)
DEVICE FOR THE PURIFICATION OF EXHAUST GASES FROM A HEAT ENGINE, COMPRISING A CERAMIC CARRIER AND AN ACTIVE PHASE CHEMICALLY AND MECHANICALLY ANCHORED IN THE CARRIER

Title (de)
VORRICHTUNG ZUR REINIGUNG VON ABGASEN AUS EINER WÄRMEKRAFTMASCHINE MIT EINEM KERAMISCHEN TRÄGER UND EINER CHEMISCH UND MECHANISCH IM TRÄGER VERANKERTEN AKTIVEN PHASE

Title (fr)
DISPOSITIF D'ÉPURATION DES GAZ D'ÉCHAPPEMENT D'UN MOTEUR THERMIQUE COMPRENANT UN SUPPORT CÉRAMIQUE ET UNE PHASE ACTIVE ANCRÉE CHIMIQUEMENT ET MÉCANIQUEMENT DANS LE SUPPORT

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Application
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Abstract (en)
[origin: WO2013000684A1] The invention relates to a device for the purification of exhaust gases from a heat engine, including: one or more ceramic catalyst carriers comprising an arrangement of crystallites having the same size, the same isodiametric morphology and the same chemical composition or essentially the same size, the same isodiametric morphology and the same chemical composition, in which each crystallite is in point contact or almost in point contact with the surrounding crystallites; and one or more active phases for the chemical destruction of impurities in the exhaust gas, comprising metal particles that interact chemically with the ceramic catalyst carrier and are mechanically anchored in said catalyst carrier, such that the coalescence and mobility of each particle are limited to a maximum volume corresponding to that of a crystallite of the ceramic catalyst carrier.

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4. **C04B 38/0038 + C04B 35/443**

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