

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

Title (de)
VORRICHTUNG ZUR REINIGUNG VON ABGASEN AUS EINER WÄRMESKRAFTMASCHINE MIT EINEM KERAMISCHEN TRÄGER UND EINER 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 MÉCANIQUEMENT DANS LE SUPPORT

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Application
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Abstract (en)
[origin: WO2013000683A1] 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 are mechanically anchored in the 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.

IPC 8 full level
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