

Title (en)

DEVICE AND PROCESS FOR BURNING OXIDISABLE COMPONENTS IN A VEHICLE GAS TO BE PURIFIED

Title (de)

VORRICHTUNG UND VERFAHREN ZUM VERBRENNEN OXIDIERBARER BESTANDTEILE IN EINEM ZU REINIGENDEN TRÄGERGAS

Title (fr)

DISPOSITIF ET PROCEDE PERMETTANT DE BRULER DES CONSTITUANTS OXYDABLES DANS UN GAZ PORTEUR A EPURER

Publication

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Application

EP 94909051 A 19940225

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Abstract (en)

[origin: US5709542A] PCT No. PCT/EP94/00539 Sec. 371 Date Oct. 30, 1995 Sec. 102(e) Date Oct. 30, 1995 PCT Filed Feb. 25, 1994 PCT Pub. No. WO94/20792 PCT Pub. Date Sep. 15, 1994The invention relates to a process and a device for burning oxidizable components in a vehicle gas to be purified, comprising a gas inlet (36), a burner (19) with an attached flame pipe (22) opening into a main combustion chamber (24) comprising a bottom and side walls, an annular chamber leading from the side of the main combustion chamber bottom (21), a heat exchanger (32) around which flows the purified gas and through which flows the gas to be purified, and a gas outlet (38). To obtain good combustion with a compact construction, especially to make the best possible use of the geometric dwell time in the main combustion chamber, it is proposed that the main combustion chamber be constructed in such a way and/or has such guide components (40,42,44) that the gas flowing from the bottom towards the annular chamber is distributed completely or largely uniformly over the cross-section of the main combustion chamber.

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