

Title (en)

DEVICE FOR GENERATING HEAT BY CATALYTIC COMBUSTION

Publication

EP 0529474 A3 19930526 (DE)

Application

EP 92114039 A 19920818

Priority

DE 4127883 A 19910822

Abstract (en)

[origin: EP0529474A2] The invention relates to a device for generating heat by catalytic combustion, e.g. in a heating installation. To achieve improvements as regards a reduction in the NO_x emissions and the risk of spontaneous ignition of a fuel/air mixture, the invention proposes that some of the exhaust gas be added to the fuel. By recirculating some of the hot exhaust gas from the burner outlet to a fuel/exhaust gas mixer (1), it is possible to achieve preheating of the gas mixture. <IMAGE>

IPC 1-7

F23K 5/20; **F23C 11/00**

IPC 8 full level

F23C 13/00 (2006.01); **F23C 99/00** (2006.01); **F23D 11/40** (2006.01); **F23K 5/00** (2006.01); **F23K 5/20** (2006.01)

CPC (source: EP)

F23C 13/00 (2013.01); **F23K 5/007** (2013.01); **F23K 5/20** (2013.01)

Citation (search report)

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