

Title (en)

CATALYTIC REACTOR AND METHOD FOR BURNING FUEL-AIR MIXTURES BY MEANS OF A CATALYTIC REACTOR

Title (de)

KATALYTISCHER REAKTOR UND VERFAHREN ZUR VERBRENNUNG VON BRENNSTOFF-LUFT-GEMISCHEN MITTELS EINES KATALYTISCHEN REAKTORS

Title (fr)

REACTEUR CATALYTIQUE ET PROCEDE DE COMBUSTION DE MELANGES AIR-COMBUSTIBLE A L'AIDE D'UN REACTEUR CATALYTIQUE

Publication

**EP 1738109 A1 20070103 (DE)**

Application

**EP 05729538 A 20050323**

Priority

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Abstract (en)

[origin: WO2005095856A1] A catalytic reactor (4) used to burn at least part of the fuel-air mixtures flowing therethrough comprises a plurality of channels (13, 15). Said catalytic reactor (4) is supplied with weak fuel-air mixtures (6) and rich fuel-air mixtures (7). The inventive catalytic reactor (4) consists of at least two sections (I, II, III): a first section (I) through which the mixtures flow is not provided with any catalytic coatings; and a catalytic coating (20) is applied to the channels (15) through which rich fuel-air mixtures (7) flow, in a second section (II) located downstream from the first.

IPC 8 full level

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CPC (source: EP US)

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