

Title (en)  
DEVICE FOR BURNING A FUEL/OXIDANT MIXTURE

Title (de)  
VORRICHTUNG ZUR VERBRENNUNG EINES BRENNSTOFF/OXIDATIONSMITTELGEMISCHES

Title (fr)  
DISPOSITIF DE COMBUSTION D'UN MÉLANGE OXYDANT/COMBUSTIBLE

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Application  
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Abstract (en)  
[origin: WO2010031869A2] The invention relates to a device for burning a fuel/oxidant mixture in a strongly exothermic reaction, said device consisting of a reactor (1) with a combustion chamber containing at least one first porous material and at least one second porous material in separate zones A (2) and C (3), said zones being designed in such a way that an exothermic reaction can only take place in zone (3), and with one or more feed lines for the fuel and for the oxidant. According to the invention, zone A (2), which consists of the first porous material, is separated by a distance of 10 mm to 4000 mm, preferably 20 mm to 500 mm, equating to zone B (4), from zone C (3), which consists of the second porous material and is located upstream of zone C (3) in the flow direction.

IPC 8 full level  
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DE 19939951 A1 20010308 - SGL TECHNIK GMBH [DE], et al

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