

Title (en)
CATALYTIC HEATER

Title (de)
KATALYTISCHE HEIZVORRICHTUNG

Title (fr)
APPAREIL DE CHAUFFAGE CATALYTIQUE

Publication
EP 2201294 A2 20100630 (EN)

Application
EP 08758259 A 20080703

Priority
• DK 2008000250 W 20080703
• DK PA200700979 A 20070703
• DK PA200800165 A 20080206

Abstract (en)
[origin: WO2009003481A2] A catalytic heating system comprising a main catalyst (20, 50) for flameless catalytic burning of fuel gas and a triggering system for initiating the catalytic burning, the triggering system comprising an electrical power source electrically connected to a metallic catalyst portion (104). As electric current flows through the metallic catalyst portion, it is in itself heated as an electric resistance heater to a temperature necessary for triggering the catalytic burning. By using electrical current for direct heating of a catalyst portion, reaction starts as soon as the resistance heating achieves the temperature for initiating the catalytic reaction. As soon as the reaction starts, it is transferred to the main catalyst.

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)
See references of WO 2009003481A2

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
WO 2009003481 A2 20090108; **WO 2009003481 A3 20091022**; CA 2727262 A1 20090108; CN 101796345 A 20100804; CN 101796345 B 20120516; EP 2201294 A2 20100630; HK 1146107 A1 20110513; US 2010175637 A1 20100715

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