

Title (en)  
SHEATHED ELEMENT HEATER PLUG

Title (de)  
GLÜHSTIFTKERZE

Title (fr)  
BOUGIE DE PRECHAUFFAGE

Publication  
**EP 1240461 B1 20040915 (DE)**

Application  
**EP 00987035 A 20001027**

Priority  
• DE 0003800 W 20001027  
• DE 19959768 A 19991211

Abstract (en)  
[origin: WO0142714A1] The invention relates to a sheathed element heater plug for igniting a thermal combustion process and especially for starting a self-igniting combustion engine. The inventive sheathed element heater plug comprises a housing that can be sealingly arranged in a wall of a combustion chamber and receives a ceramic heater plug which protrudes into the combustion chamber and forms a heat conductor that can be connected to a voltage source and is provided with an electric resistor. An electroconductive cross-section of the heat conductor is smaller in the area of a tip of the heater plug than an electroconductive cross-section in the area of a heater plug body. According to the invention, the tip (38) of the heater plug comprises at least one truncated section (46, 50, 52).

IPC 1-7  
**F23Q 7/00**

IPC 8 full level  
**F23Q 7/00** (2006.01); **H05B 3/42** (2006.01)

CPC (source: EP KR US)  
**F23Q 7/00** (2013.01 - KR); **F23Q 7/001** (2013.01 - EP US)

Designated contracting state (EPC)  
DE ES FR GB IT SE

DOCDB simple family (publication)  
**WO 0142714 A1 20010614**; DE 19959768 A1 20010613; DE 50007813 D1 20041021; EP 1240461 A1 20020918; EP 1240461 B1 20040915; ES 2226966 T3 20050401; JP 2003516512 A 20030513; KR 100670574 B1 20070118; KR 20020058041 A 20020712; US 6849829 B1 20050201

DOCDB simple family (application)  
**DE 0003800 W 20001027**; DE 19959768 A 19991211; DE 50007813 T 20001027; EP 00987035 A 20001027; ES 00987035 T 20001027; JP 2001543960 A 20001027; KR 20027006750 A 20020527; US 14948402 A 20021025